284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3586

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**SED-1**								
Q3586-01	SED-1	SOIL	Acetone		29.8		4.60	24.5	ug/Kg
Q3586-01	SED-1	SOIL	Carbon Disulfide		7.20		1.00	4.90	ug/Kg
Q3586-01	SED-1	SOIL	Methylene Chloride		12.4		3.50	9.80	ug/Kg
			Total Voc :		49.4				
Q3586-01	SED-1	SOIL	Tetrahydrofuran	*	7.10	J	4.60	24.5	ug/Kg
Q3586-01	SED-1	SOIL	Tert butyl alcohol	*	29.8	J	13.4	24.5	ug/Kg
Q3586-01	SED-1	SOIL	Diethyl Ether	*	12.1	J	0.75	4.90	ug/Kg
Q3586-01	SED-1	SOIL	Diisopropyl ether	*	15.8	J	0.54	4.90	ug/Kg
			Total Tics :		64.8				
			Total Concentration:		114				
Client ID:	**SED-1RE**								
Q3586-01RE	SED-1RE	SOIL	Acetone		11.8	J	4.80	25.5	ug/Kg
Q3586-01RE	SED-1RE	SOIL	Carbon Disulfide		3.50	J	1.10	5.10	ug/Kg
Q3586-01RE	SED-1RE	SOIL	Methylene Chloride		5.10	J	3.60	10.2	ug/Kg
			Total Voc :		20.4				
			Total Concentration:		20.4				
Client ID:	**SED-2**								
Q3586-02	SED-2	SOIL	Acetone		160		7.50	39.4	ug/Kg
Q3586-02	SED-2	SOIL	Carbon Disulfide		2.90	J	1.70	7.90	ug/Kg
Q3586-02	SED-2	SOIL	Methylene Chloride		10.6	J	5.60	15.8	ug/Kg
Q3586-02	SED-2	SOIL	2-Butanone		52.6		10.3	39.4	ug/Kg
			Total Voc :		226				
Q3586-02	SED-2	SOIL	1-Phenyl-1-butene	*	38.8	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	1H-Indene, 2,3-dihydro-1,1,3-tı	*	21.1	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	Naphthalene, 1,2,3,4-tetrahydrc	*	28.8	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	Naphthalene, 1,2,3,4-tetrahydrc	*	20.9	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	Naphthalene, 1,2,3,4-tetrahydrc	*	51.8	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	1H-Indene, 2,3-dihydro-4,7-din	*	21.2	J	0	0	ug/Kg
Q3586-02	SED-2	SOIL	1,2,4-Trimethylbenzene	*	2.10	J	1.00	7.90	ug/Kg
			Total Tics :		185				
			Total Concentration:		411				
Client ID:	**SED-2RE**								
Q3586-02RE	SED-2RE	SOIL	Acetone		120		6.80	35.6	ug/Kg
Q3586-02RE	SED-2RE	SOIL	2-Butanone		34.8	J	9.30	35.6	ug/Kg
			Total Voc :		155				
			Total Concentration:		155				
Client ID:	**SED-3**								
Q3586-03	SED-3	SOIL	Acetone		24.0	J	7.20	38.0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3586

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3586-03	SED-3	SOIL	Carbon Disulfide		5.50	J	1.60	7.60	ug/Kg
			Total Voc :		29.5				
Q3586-03	SED-3	SOIL	Undecane	*	10.0	J	0	0	ug/Kg
			Total Tics :		10.0				
			Total Concentration:		39.5				

SAMPLE DATA

Raw Data: **VW032427.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1	SDG No.:	Q3586
Lab Sample ID:	Q3586-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	62.9
Sample Wt/Vol:	8.12 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	4.90	ug/Kg	11/11/25 13:54	VW111125
74-87-3	Chloromethane	1.10	U	1	1.10	4.90	ug/Kg	11/11/25 13:54	VW111125
75-01-4	Vinyl Chloride	0.77	U	1	0.77	4.90	ug/Kg	11/11/25 13:54	VW111125
74-83-9	Bromomethane	1.00	U	1	1.00	4.90	ug/Kg	11/11/25 13:54	VW111125
75-00-3	Chloroethane	1.20	U	1	1.20	4.90	ug/Kg	11/11/25 13:54	VW111125
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	4.90	ug/Kg	11/11/25 13:54	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1	1.00	4.90	ug/Kg	11/11/25 13:54	VW111125
75-35-4	1,1-Dichloroethene	0.98	U	1	0.98	4.90	ug/Kg	11/11/25 13:54	VW111125
67-64-1	Acetone	29.8		1	4.60	24.5	ug/Kg	11/11/25 13:54	VW111125
75-15-0	Carbon Disulfide	7.20		1	1.00	4.90	ug/Kg	11/11/25 13:54	VW111125
1634-04-4	Methyl tert-butyl Ether	0.71	U	1	0.71	4.90	ug/Kg	11/11/25 13:54	VW111125
79-20-9	Methyl Acetate	1.50	U	1	1.50	4.90	ug/Kg	11/11/25 13:54	VW111125
75-09-2	Methylene Chloride	12.4		1	3.50	9.80	ug/Kg	11/11/25 13:54	VW111125
156-60-5	trans-1,2-Dichloroethene	0.84	U	1	0.84	4.90	ug/Kg	11/11/25 13:54	VW111125
75-34-3	1,1-Dichloroethane	0.78	U	1	0.78	4.90	ug/Kg	11/11/25 13:54	VW111125
110-82-7	Cyclohexane	0.77	U	1	0.77	4.90	ug/Kg	11/11/25 13:54	VW111125
78-93-3	2-Butanone	6.40	U	1	6.40	24.5	ug/Kg	11/11/25 13:54	VW111125
56-23-5	Carbon Tetrachloride	0.95	U	1	0.95	4.90	ug/Kg	11/11/25 13:54	VW111125
156-59-2	cis-1,2-Dichloroethene	0.73	U	1	0.73	4.90	ug/Kg	11/11/25 13:54	VW111125
74-97-5	Bromochloromethane	1.10	U	1	1.10	4.90	ug/Kg	11/11/25 13:54	VW111125
67-66-3	Chloroform	0.82	U	1	0.82	4.90	ug/Kg	11/11/25 13:54	VW111125
71-55-6	1,1,1-Trichloroethane	0.91	U	1	0.91	4.90	ug/Kg	11/11/25 13:54	VW111125
108-87-2	Methylcyclohexane	0.89	U	1	0.89	4.90	ug/Kg	11/11/25 13:54	VW111125
71-43-2	Benzene	0.77	U	1	0.77	4.90	ug/Kg	11/11/25 13:54	VW111125
107-06-2	1,2-Dichloroethane	0.77	U	1	0.77	4.90	ug/Kg	11/11/25 13:54	VW111125
79-01-6	Trichloroethene	0.79	U	1	0.79	4.90	ug/Kg	11/11/25 13:54	VW111125
78-87-5	1,2-Dichloropropane	0.89	U	1	0.89	4.90	ug/Kg	11/11/25 13:54	VW111125
75-27-4	Bromodichloromethane	0.76	U	1	0.76	4.90	ug/Kg	11/11/25 13:54	VW111125
108-10-1	4-Methyl-2-Pentanone	3.50	U	1	3.50	24.5	ug/Kg	11/11/25 13:54	VW111125
108-88-3	Toluene	0.76	U	1	0.76	4.90	ug/Kg	11/11/25 13:54	VW111125
10061-02-6	t-1,3-Dichloropropene	0.64	U	1	0.64	4.90	ug/Kg	11/11/25 13:54	VW111125
10061-01-5	cis-1,3-Dichloropropene	0.61	U	1	0.61	4.90	ug/Kg	11/11/25 13:54	VW111125
79-00-5	1,1,2-Trichloroethane	0.90	U	1	0.90	4.90	ug/Kg	11/11/25 13:54	VW111125
591-78-6	2-Hexanone	3.60	U	1	3.60	24.5	ug/Kg	11/11/25 13:54	VW111125
124-48-1	Dibromochloromethane	0.85	U	1	0.85	4.90	ug/Kg	11/11/25 13:54	VW111125
106-93-4	1,2-Dibromoethane	0.86	U	1	0.86	4.90	ug/Kg	11/11/25 13:54	VW111125
127-18-4	Tetrachloroethene	1.00	U	1	1.00	4.90	ug/Kg	11/11/25 13:54	VW111125
108-90-7	Chlorobenzene	0.89	U	1	0.89	4.90	ug/Kg	11/11/25 13:54	VW111125
100-41-4	Ethyl Benzene	0.66	U	1	0.66	4.90	ug/Kg	11/11/25 13:54	VW111125
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	9.80	ug/Kg	11/11/25 13:54	VW111125
95-47-6	o-Xylene	0.80	U	1	0.80	4.90	ug/Kg	11/11/25 13:54	VW111125
100-42-5	Styrene	0.70	U	1	0.70	4.90	ug/Kg	11/11/25 13:54	VW111125
75-25-2	Bromoform	0.84	U	1	0.84	4.90	ug/Kg	11/11/25 13:54	VW111125

Raw Data: **VW032427.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1	SDG No.:	Q3586
Lab Sample ID:	Q3586-01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	62.9
Sample Wt/Vol:	8.12 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.76	U	1	0.76	4.90	ug/Kg	11/11/25 13:54	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	4.90	ug/Kg	11/11/25 13:54	VW111125
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	4.90	ug/Kg	11/11/25 13:54	VW111125
106-46-7	1,4-Dichlorobenzene	1.50	U	1	1.50	4.90	ug/Kg	11/11/25 13:54	VW111125
95-50-1	1,2-Dichlorobenzene	1.40	U	1	1.40	4.90	ug/Kg	11/11/25 13:54	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	4.90	ug/Kg	11/11/25 13:54	VW111125
120-82-1	1,2,4-Trichlorobenzene	2.90	U	1	2.90	4.90	ug/Kg	11/11/25 13:54	VW111125
87-61-6	1,2,3-Trichlorobenzene	3.10	U	1	3.10	4.90	ug/Kg	11/11/25 13:54	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	69.0	*		70 (63) - 130 (155)	138%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.4			70 (70) - 130 (134)	115%	SPK: 50		
2037-26-5	Toluene-d8	58.2			70 (74) - 130 (123)	116%	SPK: 50		
460-00-4	4-Bromofluorobenzene	98.6	*		70 (52) - 130 (138)	197%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	287000							
540-36-3	1,4-Difluorobenzene	661000							
3114-55-4	Chlorobenzene-d5	666000							
3855-82-1	1,4-Dichlorobenzene-d4	321000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	12.1	J			3.73	ug/Kg		
75-65-0	Tert butyl alcohol	29.8	J			5.21	ug/Kg		
108-20-3	Diisopropyl ether	15.8	J			6.34	ug/Kg		
109-99-9	Tetrahydrofuran	7.10	J			7.56	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VY023759.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1RE	SDG No.:	Q3586
Lab Sample ID:	Q3586-01RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	62.9
Sample Wt/Vol:	7.78 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20	U	1	1.20	5.10	ug/Kg	11/12/25 13:14	VY111225
74-87-3	Chloromethane	1.20	U	1	1.20	5.10	ug/Kg	11/12/25 13:14	VY111225
75-01-4	Vinyl Chloride	0.81	U	1	0.81	5.10	ug/Kg	11/12/25 13:14	VY111225
74-83-9	Bromomethane	1.10	U	1	1.10	5.10	ug/Kg	11/12/25 13:14	VY111225
75-00-3	Chloroethane	1.30	U	1	1.30	5.10	ug/Kg	11/12/25 13:14	VY111225
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.10	ug/Kg	11/12/25 13:14	VY111225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.10	ug/Kg	11/12/25 13:14	VY111225
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.10	ug/Kg	11/12/25 13:14	VY111225
67-64-1	Acetone	11.8	J	1	4.80	25.5	ug/Kg	11/12/25 13:14	VY111225
75-15-0	Carbon Disulfide	3.50	J	1	1.10	5.10	ug/Kg	11/12/25 13:14	VY111225
1634-04-4	Methyl tert-butyl Ether	0.75	U	1	0.75	5.10	ug/Kg	11/12/25 13:14	VY111225
79-20-9	Methyl Acetate	1.60	U	1	1.60	5.10	ug/Kg	11/12/25 13:14	VY111225
75-09-2	Methylene Chloride	5.10	J	1	3.60	10.2	ug/Kg	11/12/25 13:14	VY111225
156-60-5	trans-1,2-Dichloroethene	0.88	U	1	0.88	5.10	ug/Kg	11/12/25 13:14	VY111225
75-34-3	1,1-Dichloroethane	0.82	U	1	0.82	5.10	ug/Kg	11/12/25 13:14	VY111225
110-82-7	Cyclohexane	0.81	U	1	0.81	5.10	ug/Kg	11/12/25 13:14	VY111225
78-93-3	2-Butanone	6.70	U	1	6.70	25.5	ug/Kg	11/12/25 13:14	VY111225
56-23-5	Carbon Tetrachloride	0.99	U	1	0.99	5.10	ug/Kg	11/12/25 13:14	VY111225
156-59-2	cis-1,2-Dichloroethene	0.77	U	1	0.77	5.10	ug/Kg	11/12/25 13:14	VY111225
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.10	ug/Kg	11/12/25 13:14	VY111225
67-66-3	Chloroform	0.86	U	1	0.86	5.10	ug/Kg	11/12/25 13:14	VY111225
71-55-6	1,1,1-Trichloroethane	0.95	U	1	0.95	5.10	ug/Kg	11/12/25 13:14	VY111225
108-87-2	Methylcyclohexane	0.93	U	1	0.93	5.10	ug/Kg	11/12/25 13:14	VY111225
71-43-2	Benzene	0.81	U	1	0.81	5.10	ug/Kg	11/12/25 13:14	VY111225
107-06-2	1,2-Dichloroethane	0.81	U	1	0.81	5.10	ug/Kg	11/12/25 13:14	VY111225
79-01-6	Trichloroethene	0.83	U	1	0.83	5.10	ug/Kg	11/12/25 13:14	VY111225
78-87-5	1,2-Dichloropropane	0.93	U	1	0.93	5.10	ug/Kg	11/12/25 13:14	VY111225
75-27-4	Bromodichloromethane	0.80	U	1	0.80	5.10	ug/Kg	11/12/25 13:14	VY111225
108-10-1	4-Methyl-2-Pentanone	3.70	U	1	3.70	25.5	ug/Kg	11/12/25 13:14	VY111225
108-88-3	Toluene	0.80	U	1	0.80	5.10	ug/Kg	11/12/25 13:14	VY111225
10061-02-6	t-1,3-Dichloropropene	0.66	U	1	0.66	5.10	ug/Kg	11/12/25 13:14	VY111225
10061-01-5	cis-1,3-Dichloropropene	0.63	U	1	0.63	5.10	ug/Kg	11/12/25 13:14	VY111225
79-00-5	1,1,2-Trichloroethane	0.94	U	1	0.94	5.10	ug/Kg	11/12/25 13:14	VY111225
591-78-6	2-Hexanone	3.80	U	1	3.80	25.5	ug/Kg	11/12/25 13:14	VY111225
124-48-1	Dibromochloromethane	0.89	U	1	0.89	5.10	ug/Kg	11/12/25 13:14	VY111225
106-93-4	1,2-Dibromoethane	0.90	U	1	0.90	5.10	ug/Kg	11/12/25 13:14	VY111225
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.10	ug/Kg	11/12/25 13:14	VY111225
108-90-7	Chlorobenzene	0.93	U	1	0.93	5.10	ug/Kg	11/12/25 13:14	VY111225
100-41-4	Ethyl Benzene	0.68	U	1	0.68	5.10	ug/Kg	11/12/25 13:14	VY111225
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.2	ug/Kg	11/12/25 13:14	VY111225
95-47-6	o-Xylene	0.84	U	1	0.84	5.10	ug/Kg	11/12/25 13:14	VY111225
100-42-5	Styrene	0.73	U	1	0.73	5.10	ug/Kg	11/12/25 13:14	VY111225
75-25-2	Bromoform	0.88	U	1	0.88	5.10	ug/Kg	11/12/25 13:14	VY111225

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1RE	SDG No.:	Q3586
Lab Sample ID:	Q3586-01RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	62.9
Sample Wt/Vol:	7.78 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.80	U	1	0.80	5.10	ug/Kg	11/12/25 13:14	VY111225
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.10	ug/Kg	11/12/25 13:14	VY111225
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.10	ug/Kg	11/12/25 13:14	VY111225
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.10	ug/Kg	11/12/25 13:14	VY111225
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.10	ug/Kg	11/12/25 13:14	VY111225
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1	1.90	5.10	ug/Kg	11/12/25 13:14	VY111225
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.10	ug/Kg	11/12/25 13:14	VY111225
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.10	ug/Kg	11/12/25 13:14	VY111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	36.5			70 (63) - 130 (155)	73%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.8			70 (70) - 130 (134)	94%	SPK: 50		
2037-26-5	Toluene-d8	49.3			70 (74) - 130 (123)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	33.6	*		70 (52) - 130 (138)	67%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	90700							
540-36-3	1,4-Difluorobenzene	111000							
3114-55-4	Chlorobenzene-d5	77900							
3855-82-1	1,4-Dichlorobenzene-d4	23500							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VW032428.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 41.4
Sample Wt/Vol:	7.66 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.80	U	1	1.80	7.90	ug/Kg	11/11/25 14:15	VW111125
74-87-3	Chloromethane	1.80	U	1	1.80	7.90	ug/Kg	11/11/25 14:15	VW111125
75-01-4	Vinyl Chloride	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
74-83-9	Bromomethane	1.70	U	1	1.70	7.90	ug/Kg	11/11/25 14:15	VW111125
75-00-3	Chloroethane	2.00	U	1	2.00	7.90	ug/Kg	11/11/25 14:15	VW111125
75-69-4	Trichlorofluoromethane	1.90	U	1	1.90	7.90	ug/Kg	11/11/25 14:15	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1	1.70	7.90	ug/Kg	11/11/25 14:15	VW111125
75-35-4	1,1-Dichloroethene	1.60	U	1	1.60	7.90	ug/Kg	11/11/25 14:15	VW111125
67-64-1	Acetone	160		1	7.50	39.4	ug/Kg	11/11/25 14:15	VW111125
75-15-0	Carbon Disulfide	2.90	J	1	1.70	7.90	ug/Kg	11/11/25 14:15	VW111125
1634-04-4	Methyl tert-butyl Ether	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
79-20-9	Methyl Acetate	2.40	U	1	2.40	7.90	ug/Kg	11/11/25 14:15	VW111125
75-09-2	Methylene Chloride	10.6	J	1	5.60	15.8	ug/Kg	11/11/25 14:15	VW111125
156-60-5	trans-1,2-Dichloroethene	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
75-34-3	1,1-Dichloroethane	1.30	U	1	1.30	7.90	ug/Kg	11/11/25 14:15	VW111125
110-82-7	Cyclohexane	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
78-93-3	2-Butanone	52.6		1	10.3	39.4	ug/Kg	11/11/25 14:15	VW111125
56-23-5	Carbon Tetrachloride	1.50	U	1	1.50	7.90	ug/Kg	11/11/25 14:15	VW111125
156-59-2	cis-1,2-Dichloroethene	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
74-97-5	Bromochloromethane	1.80	U	1	1.80	7.90	ug/Kg	11/11/25 14:15	VW111125
67-66-3	Chloroform	1.30	U	1	1.30	7.90	ug/Kg	11/11/25 14:15	VW111125
71-55-6	1,1,1-Trichloroethane	1.50	U	1	1.50	7.90	ug/Kg	11/11/25 14:15	VW111125
108-87-2	Methylcyclohexane	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
71-43-2	Benzene	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
107-06-2	1,2-Dichloroethane	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
79-01-6	Trichloroethene	1.30	U	1	1.30	7.90	ug/Kg	11/11/25 14:15	VW111125
78-87-5	1,2-Dichloropropane	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
75-27-4	Bromodichloromethane	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
108-10-1	4-Methyl-2-Pentanone	5.60	U	1	5.60	39.4	ug/Kg	11/11/25 14:15	VW111125
108-88-3	Toluene	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
10061-02-6	t-1,3-Dichloropropene	1.00	U	1	1.00	7.90	ug/Kg	11/11/25 14:15	VW111125
10061-01-5	cis-1,3-Dichloropropene	0.98	U	1	0.98	7.90	ug/Kg	11/11/25 14:15	VW111125
79-00-5	1,1,2-Trichloroethane	1.50	U	1	1.50	7.90	ug/Kg	11/11/25 14:15	VW111125
591-78-6	2-Hexanone	5.80	U	1	5.80	39.4	ug/Kg	11/11/25 14:15	VW111125
124-48-1	Dibromochloromethane	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
106-93-4	1,2-Dibromoethane	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
127-18-4	Tetrachloroethene	1.70	U	1	1.70	7.90	ug/Kg	11/11/25 14:15	VW111125
108-90-7	Chlorobenzene	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125
100-41-4	Ethyl Benzene	1.10	U	1	1.10	7.90	ug/Kg	11/11/25 14:15	VW111125
179601-23-1	m/p-Xylenes	2.00	U	1	2.00	15.8	ug/Kg	11/11/25 14:15	VW111125
95-47-6	o-Xylene	1.30	U	1	1.30	7.90	ug/Kg	11/11/25 14:15	VW111125
100-42-5	Styrene	1.10	U	1	1.10	7.90	ug/Kg	11/11/25 14:15	VW111125
75-25-2	Bromoform	1.40	U	1	1.40	7.90	ug/Kg	11/11/25 14:15	VW111125

Raw Data: **VW032428.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 41.4
Sample Wt/Vol:	7.66 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.20	U	1	1.20	7.90	ug/Kg	11/11/25 14:15	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	1	1.90	7.90	ug/Kg	11/11/25 14:15	VW111125
541-73-1	1,3-Dichlorobenzene	2.70	U	1	2.70	7.90	ug/Kg	11/11/25 14:15	VW111125
106-46-7	1,4-Dichlorobenzene	2.50	U	1	2.50	7.90	ug/Kg	11/11/25 14:15	VW111125
95-50-1	1,2-Dichlorobenzene	2.30	U	1	2.30	7.90	ug/Kg	11/11/25 14:15	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1	2.90	7.90	ug/Kg	11/11/25 14:15	VW111125
120-82-1	1,2,4-Trichlorobenzene	4.70	U	1	4.70	7.90	ug/Kg	11/11/25 14:15	VW111125
87-61-6	1,2,3-Trichlorobenzene	5.00	U	1	5.00	7.90	ug/Kg	11/11/25 14:15	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	80.6	*		70 (63) - 130 (155)	161%	SPK: 50		
1868-53-7	Dibromofluoromethane	64.7			70 (70) - 130 (134)	129%	SPK: 50		
2037-26-5	Toluene-d8	62.2			70 (74) - 130 (123)	124%	SPK: 50		
460-00-4	4-Bromofluorobenzene	67.6	*		70 (52) - 130 (138)	135%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	283000							
540-36-3	1,4-Difluorobenzene	670000							
3114-55-4	Chlorobenzene-d5	673000							
3855-82-1	1,4-Dichlorobenzene-d4	275000							
TENTATIVE IDENTIFIED COMPOUNDS									
95-63-6	1,2,4-Trimethylbenzene	2.10	J			13.3	ug/Kg		
000824-90-8	1-Phenyl-1-butene	38.8	J			14.8	ug/Kg		
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	20.9	J			15.4	ug/Kg		
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	21.2	J			15.6	ug/Kg		
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	28.8	J			16.2	ug/Kg		
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	51.8	J			16.4	ug/Kg		
002613-76-5	1H-Indene, 2,3-dihydro-1,1,3-trime	21.1	J			16.4	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VY023760.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2RE	SDG No.:	Q3586
Lab Sample ID:	Q3586-02RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	41.4
Sample Wt/Vol:	8.48 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60	U	1	1.60	7.10	ug/Kg	11/12/25 13:38	VY111225
74-87-3	Chloromethane	1.60	U	1	1.60	7.10	ug/Kg	11/12/25 13:38	VY111225
75-01-4	Vinyl Chloride	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
74-83-9	Bromomethane	1.50	U	1	1.50	7.10	ug/Kg	11/12/25 13:38	VY111225
75-00-3	Chloroethane	1.80	U	1	1.80	7.10	ug/Kg	11/12/25 13:38	VY111225
75-69-4	Trichlorofluoromethane	1.70	U	1	1.70	7.10	ug/Kg	11/12/25 13:38	VY111225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1	1.50	7.10	ug/Kg	11/12/25 13:38	VY111225
75-35-4	1,1-Dichloroethene	1.40	U	1	1.40	7.10	ug/Kg	11/12/25 13:38	VY111225
67-64-1	Acetone	120		1	6.80	35.6	ug/Kg	11/12/25 13:38	VY111225
75-15-0	Carbon Disulfide	1.50	U	1	1.50	7.10	ug/Kg	11/12/25 13:38	VY111225
1634-04-4	Methyl tert-butyl Ether	1.00	U	1	1.00	7.10	ug/Kg	11/12/25 13:38	VY111225
79-20-9	Methyl Acetate	2.20	U	1	2.20	7.10	ug/Kg	11/12/25 13:38	VY111225
75-09-2	Methylene Chloride	5.00	U	1	5.00	14.2	ug/Kg	11/12/25 13:38	VY111225
156-60-5	trans-1,2-Dichloroethene	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225
75-34-3	1,1-Dichloroethane	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
110-82-7	Cyclohexane	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
78-93-3	2-Butanone	34.8	J	1	9.30	35.6	ug/Kg	11/12/25 13:38	VY111225
56-23-5	Carbon Tetrachloride	1.40	U	1	1.40	7.10	ug/Kg	11/12/25 13:38	VY111225
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
74-97-5	Bromochloromethane	1.60	U	1	1.60	7.10	ug/Kg	11/12/25 13:38	VY111225
67-66-3	Chloroform	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225
71-55-6	1,1,1-Trichloroethane	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
108-87-2	Methylcyclohexane	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
71-43-2	Benzene	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
107-06-2	1,2-Dichloroethane	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
79-01-6	Trichloroethene	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225
78-87-5	1,2-Dichloropropane	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
75-27-4	Bromodichloromethane	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
108-10-1	4-Methyl-2-Pentanone	5.10	U	1	5.10	35.6	ug/Kg	11/12/25 13:38	VY111225
108-88-3	Toluene	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
10061-02-6	t-1,3-Dichloropropene	0.93	U	1	0.93	7.10	ug/Kg	11/12/25 13:38	VY111225
10061-01-5	cis-1,3-Dichloropropene	0.88	U	1	0.88	7.10	ug/Kg	11/12/25 13:38	VY111225
79-00-5	1,1,2-Trichloroethane	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
591-78-6	2-Hexanone	5.30	U	1	5.30	35.6	ug/Kg	11/12/25 13:38	VY111225
124-48-1	Dibromochloromethane	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
127-18-4	Tetrachloroethene	1.50	U	1	1.50	7.10	ug/Kg	11/12/25 13:38	VY111225
108-90-7	Chlorobenzene	1.30	U	1	1.30	7.10	ug/Kg	11/12/25 13:38	VY111225
100-41-4	Ethyl Benzene	0.95	U	1	0.95	7.10	ug/Kg	11/12/25 13:38	VY111225
179601-23-1	m/p-Xylenes	1.80	U	1	1.80	14.2	ug/Kg	11/12/25 13:38	VY111225
95-47-6	o-Xylene	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225
100-42-5	Styrene	1.00	U	1	1.00	7.10	ug/Kg	11/12/25 13:38	VY111225
75-25-2	Bromoform	1.20	U	1	1.20	7.10	ug/Kg	11/12/25 13:38	VY111225

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2RE	SDG No.:	Q3586
Lab Sample ID:	Q3586-02RE	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	41.4
Sample Wt/Vol:	8.48 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.10	U	1	1.10	7.10	ug/Kg	11/12/25 13:38	VY111225
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	1.70	7.10	ug/Kg	11/12/25 13:38	VY111225
541-73-1	1,3-Dichlorobenzene	2.40	U	1	2.40	7.10	ug/Kg	11/12/25 13:38	VY111225
106-46-7	1,4-Dichlorobenzene	2.20	U	1	2.20	7.10	ug/Kg	11/12/25 13:38	VY111225
95-50-1	1,2-Dichlorobenzene	2.10	U	1	2.10	7.10	ug/Kg	11/12/25 13:38	VY111225
96-12-8	1,2-Dibromo-3-Chloropropane	2.60	U	1	2.60	7.10	ug/Kg	11/12/25 13:38	VY111225
120-82-1	1,2,4-Trichlorobenzene	4.20	U	1	4.20	7.10	ug/Kg	11/12/25 13:38	VY111225
87-61-6	1,2,3-Trichlorobenzene	4.50	U	1	4.50	7.10	ug/Kg	11/12/25 13:38	VY111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	88.5	*		70 (63) - 130 (155)	177%	SPK: 50		
1868-53-7	Dibromofluoromethane	66.4	*		70 (70) - 130 (134)	133%	SPK: 50		
2037-26-5	Toluene-d8	48.9			70 (74) - 130 (123)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.0			70 (52) - 130 (138)	94%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	69400							
540-36-3	1,4-Difluorobenzene	118000							
3114-55-4	Chlorobenzene-d5	116000							
3855-82-1	1,4-Dichlorobenzene-d4	41900							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 50.9
Sample Wt/Vol:	6.46 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.70	U	1	1.70	7.60	ug/Kg	11/12/25 14:01	VY111225
74-87-3	Chloromethane	1.70	U	1	1.70	7.60	ug/Kg	11/12/25 14:01	VY111225
75-01-4	Vinyl Chloride	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
74-83-9	Bromomethane	1.60	U	1	1.60	7.60	ug/Kg	11/12/25 14:01	VY111225
75-00-3	Chloroethane	1.90	U	1	1.90	7.60	ug/Kg	11/12/25 14:01	VY111225
75-69-4	Trichlorofluoromethane	1.80	U	1	1.80	7.60	ug/Kg	11/12/25 14:01	VY111225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	U	1	1.60	7.60	ug/Kg	11/12/25 14:01	VY111225
75-35-4	1,1-Dichloroethene	1.50	U	1	1.50	7.60	ug/Kg	11/12/25 14:01	VY111225
67-64-1	Acetone	24.0	J	1	7.20	38.0	ug/Kg	11/12/25 14:01	VY111225
75-15-0	Carbon Disulfide	5.50	J	1	1.60	7.60	ug/Kg	11/12/25 14:01	VY111225
1634-04-4	Methyl tert-butyl Ether	1.10	U	1	1.10	7.60	ug/Kg	11/12/25 14:01	VY111225
79-20-9	Methyl Acetate	2.30	U	1	2.30	7.60	ug/Kg	11/12/25 14:01	VY111225
75-09-2	Methylene Chloride	5.40	U	1	5.40	15.2	ug/Kg	11/12/25 14:01	VY111225
156-60-5	trans-1,2-Dichloroethene	1.30	U	1	1.30	7.60	ug/Kg	11/12/25 14:01	VY111225
75-34-3	1,1-Dichloroethane	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
110-82-7	Cyclohexane	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
78-93-3	2-Butanone	9.90	U	1	9.90	38.0	ug/Kg	11/12/25 14:01	VY111225
56-23-5	Carbon Tetrachloride	1.50	U	1	1.50	7.60	ug/Kg	11/12/25 14:01	VY111225
156-59-2	cis-1,2-Dichloroethene	1.10	U	1	1.10	7.60	ug/Kg	11/12/25 14:01	VY111225
74-97-5	Bromochloromethane	1.70	U	1	1.70	7.60	ug/Kg	11/12/25 14:01	VY111225
67-66-3	Chloroform	1.30	U	1	1.30	7.60	ug/Kg	11/12/25 14:01	VY111225
71-55-6	1,1,1-Trichloroethane	1.40	U	1	1.40	7.60	ug/Kg	11/12/25 14:01	VY111225
108-87-2	Methylcyclohexane	1.40	U	1	1.40	7.60	ug/Kg	11/12/25 14:01	VY111225
71-43-2	Benzene	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
107-06-2	1,2-Dichloroethane	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
79-01-6	Trichloroethene	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
78-87-5	1,2-Dichloropropane	1.40	U	1	1.40	7.60	ug/Kg	11/12/25 14:01	VY111225
75-27-4	Bromodichloromethane	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
108-10-1	4-Methyl-2-Pentanone	5.40	U	1	5.40	38.0	ug/Kg	11/12/25 14:01	VY111225
108-88-3	Toluene	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
10061-02-6	t-1,3-Dichloropropene	0.99	U	1	0.99	7.60	ug/Kg	11/12/25 14:01	VY111225
10061-01-5	cis-1,3-Dichloropropene	0.94	U	1	0.94	7.60	ug/Kg	11/12/25 14:01	VY111225
79-00-5	1,1,2-Trichloroethane	1.40	U	1	1.40	7.60	ug/Kg	11/12/25 14:01	VY111225
591-78-6	2-Hexanone	5.60	U	1	5.60	38.0	ug/Kg	11/12/25 14:01	VY111225
124-48-1	Dibromochloromethane	1.30	U	1	1.30	7.60	ug/Kg	11/12/25 14:01	VY111225
106-93-4	1,2-Dibromoethane	1.30	U	1	1.30	7.60	ug/Kg	11/12/25 14:01	VY111225
127-18-4	Tetrachloroethene	1.60	U	1	1.60	7.60	ug/Kg	11/12/25 14:01	VY111225
108-90-7	Chlorobenzene	1.40	U	1	1.40	7.60	ug/Kg	11/12/25 14:01	VY111225
100-41-4	Ethyl Benzene	1.00	U	1	1.00	7.60	ug/Kg	11/12/25 14:01	VY111225
179601-23-1	m/p-Xylenes	1.90	U	1	1.90	15.2	ug/Kg	11/12/25 14:01	VY111225
95-47-6	o-Xylene	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
100-42-5	Styrene	1.10	U	1	1.10	7.60	ug/Kg	11/12/25 14:01	VY111225
75-25-2	Bromoform	1.30	U	1	1.30	7.60	ug/Kg	11/12/25 14:01	VY111225

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	50.9
Sample Wt/Vol:	6.46 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.20	U	1	1.20	7.60	ug/Kg	11/12/25 14:01	VY111225
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1	1.80	7.60	ug/Kg	11/12/25 14:01	VY111225
541-73-1	1,3-Dichlorobenzene	2.60	U	1	2.60	7.60	ug/Kg	11/12/25 14:01	VY111225
106-46-7	1,4-Dichlorobenzene	2.40	U	1	2.40	7.60	ug/Kg	11/12/25 14:01	VY111225
95-50-1	1,2-Dichlorobenzene	2.20	U	1	2.20	7.60	ug/Kg	11/12/25 14:01	VY111225
96-12-8	1,2-Dibromo-3-Chloropropane	2.80	U	1	2.80	7.60	ug/Kg	11/12/25 14:01	VY111225
120-82-1	1,2,4-Trichlorobenzene	4.50	U	1	4.50	7.60	ug/Kg	11/12/25 14:01	VY111225
87-61-6	1,2,3-Trichlorobenzene	4.80	U	1	4.80	7.60	ug/Kg	11/12/25 14:01	VY111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.1			70 (63) - 130 (155)	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.5			70 (70) - 130 (134)	105%	SPK: 50		
2037-26-5	Toluene-d8	48.6			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.0			70 (52) - 130 (138)	92%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	716000							
540-36-3	1,4-Difluorobenzene	1240000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	466000							
TENTATIVE IDENTIFIED COMPOUNDS									
001120-21-4	Undecane	10.0	J			13.7	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3586

Client: Remington & Vernick Engineers

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3586-01	SED-1	1,2-Dichloroethane-d4	50	69.0	138	*	70 (63)	130 (155)
		Dibromofluoromethane	50	57.4	115		70 (70)	130 (134)
		Toluene-d8	50	58.2	116		70 (74)	130 (123)
		4-Bromofluorobenzene	50	98.6	197	*	70 (52)	130 (138)
Q3586-01RE	SED-1RE	1,2-Dichloroethane-d4	50	36.5	73		70 (63)	130 (155)
		Dibromofluoromethane	50	46.8	94		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.6	67	*	70 (52)	130 (138)
Q3586-02	SED-2	1,2-Dichloroethane-d4	50	80.6	161	*	70 (63)	130 (155)
		Dibromofluoromethane	50	64.7	129		70 (70)	130 (134)
		Toluene-d8	50	62.1	124		70 (74)	130 (123)
		4-Bromofluorobenzene	50	67.6	135	*	70 (52)	130 (138)
Q3586-02RE	SED-2RE	1,2-Dichloroethane-d4	50	88.5	177	*	70 (63)	130 (155)
		Dibromofluoromethane	50	66.4	133	*	70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.0	94		70 (52)	130 (138)
Q3586-03	SED-3	1,2-Dichloroethane-d4	50	62.1	124		70 (63)	130 (155)
		Dibromofluoromethane	50	52.5	105		70 (70)	130 (134)
		Toluene-d8	50	48.6	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.0	92		70 (52)	130 (138)
VW1111SBL01	VW1111SBL01	1,2-Dichloroethane-d4	50	60.2	120		70 (63)	130 (155)
		Dibromofluoromethane	50	55.1	110		70 (70)	130 (134)
		Toluene-d8	50	53.1	106		70 (74)	130 (123)
		4-Bromofluorobenzene	50	57.3	115		70 (52)	130 (138)
VW1111SBS01	VW1111SBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	51.3	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101		70 (52)	130 (138)
VW1111SBSD0	VW1111SBSD01	1,2-Dichloroethane-d4	50	50.6	101		70 (63)	130 (155)
		Dibromofluoromethane	50	47.1	94		70 (70)	130 (134)
		Toluene-d8	50	48.0	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.6	93		70 (52)	130 (138)
VY1112SBL01	VY1112SBL01	1,2-Dichloroethane-d4	50	57.4	115		70 (63)	130 (155)
		Dibromofluoromethane	50	51.1	102		70 (70)	130 (134)
		Toluene-d8	50	48.1	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.4	85		70 (52)	130 (138)
VY1112SBS01	VY1112SBS01	1,2-Dichloroethane-d4	50	49.4	99		70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101		70 (70)	130 (134)
		Toluene-d8	50	51.3	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.8	104		70 (52)	130 (138)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VW032417.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1111SBS01	Dichlorodifluoromethane	20	18.7	ug/Kg	94			40 (64)	160 (136)	
	Chloromethane	20	20.7	ug/Kg	104			40 (73)	160 (129)	
	Vinyl chloride	20	21.0	ug/Kg	105			70 (73)	130 (133)	
	Bromomethane	20	20.9	ug/Kg	104			40 (77)	160 (137)	
	Chloroethane	20	20.5	ug/Kg	103			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.3	ug/Kg	92			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.3	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	100	ug/Kg	100			40 (60)	160 (174)	
	Carbon disulfide	20	20.3	ug/Kg	102			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	19.5	ug/Kg	98			70 (77)	130 (129)	
	Methyl Acetate	20	17.2	ug/Kg	86			70 (51)	130 (140)	
	Methylene Chloride	20	19.2	ug/Kg	96			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	20.8	ug/Kg	104			70 (76)	130 (122)	
	2-Butanone	100	90.4	ug/Kg	90			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Bromochloromethane	20	19.4	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	20.7	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	20.8	ug/Kg	104			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	92.1	ug/Kg	92			40 (70)	160 (135)	
	Toluene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	91.7	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	19.2	ug/Kg	96			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	21.3	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	20.7	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	41.8	ug/Kg	104			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	Bromoform	20	18.1	ug/Kg	91			70 (75)	130 (127)	
	Isopropylbenzene	20	20.7	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	22.1	ug/Kg	111			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VW032417.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW1111SBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/Kg	89			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.5	ug/Kg	103			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.3	ug/Kg	97			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VW032418.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1111SBSD01	Dichlorodifluoromethane	20	17.2	ug/Kg	86	9		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.5	ug/Kg	103	1		40 (73)	160 (129)	30 (15)
	Vinyl chloride	20	20.3	ug/Kg	102	3		70 (73)	130 (133)	30 (15)
	Bromomethane	20	21.1	ug/Kg	106	2		40 (77)	160 (137)	30 (15)
	Chloroethane	20	20.5	ug/Kg	103	0		40 (69)	160 (130)	30 (15)
	Trichlorofluoromethane	20	20.2	ug/Kg	101	9		40 (69)	160 (134)	30 (27)
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.3	ug/Kg	102	4		70 (79)	130 (121)	30 (16)
	Acetone	100	110	ug/Kg	110	10		40 (60)	160 (174)	30 (28)
	Carbon disulfide	20	20.6	ug/Kg	103	1		40 (73)	160 (125)	30 (15)
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.7	ug/Kg	99	14		70 (51)	130 (140)	30 (30)
	Methylene Chloride	20	19.5	ug/Kg	98	2		70 (54)	130 (158)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	1		70 (80)	130 (123)	30 (15)
	1,1-Dichloroethane	20	20.6	ug/Kg	103	0		70 (82)	130 (123)	30 (15)
	Cyclohexane	20	20.0	ug/Kg	100	4		70 (76)	130 (122)	30 (15)
	2-Butanone	100	110	ug/Kg	110	20		40 (69)	160 (131)	30 (29)
	Carbon Tetrachloride	20	19.9	ug/Kg	100	6		70 (76)	130 (129)	30 (15)
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102	1		70 (82)	130 (123)	30 (15)
	Bromochloromethane	20	20.5	ug/Kg	103	6		70 (80)	130 (127)	30 (15)
	Chloroform	20	21.0	ug/Kg	105	1		70 (82)	130 (125)	30 (15)
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	1		70 (80)	130 (126)	30 (15)
	Methylcyclohexane	20	19.4	ug/Kg	97	7		70 (77)	130 (123)	30 (15)
	Benzene	20	19.7	ug/Kg	99	5		70 (84)	130 (121)	30 (15)
	1,2-Dichloroethane	20	19.9	ug/Kg	100	1		70 (81)	130 (126)	30 (15)
	Trichloroethene	20	19.5	ug/Kg	98	4		70 (83)	130 (122)	30 (15)
	1,2-Dichloropropane	20	19.7	ug/Kg	99	4		70 (83)	130 (122)	30 (15)
	Bromodichloromethane	20	20.0	ug/Kg	100	1		70 (82)	130 (123)	30 (15)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	8		40 (70)	160 (135)	30 (26)
	Toluene	20	19.8	ug/Kg	99	7		70 (83)	130 (122)	30 (15)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	1		70 (78)	130 (124)	30 (15)
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98	3		70 (81)	130 (122)	30 (15)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (15)
	2-Hexanone	100	100	ug/Kg	100	8		40 (66)	160 (138)	30 (27)
	Dibromochloromethane	20	19.7	ug/Kg	99	3		70 (79)	130 (125)	30 (15)
	1,2-Dibromoethane	20	19.8	ug/Kg	99	1		70 (80)	130 (125)	30 (16)
	Tetrachloroethene	20	20.5	ug/Kg	103	3		70 (83)	130 (125)	30 (15)
	Chlorobenzene	20	19.7	ug/Kg	99	5		70 (84)	130 (122)	30 (15)
	Ethyl Benzene	20	20.1	ug/Kg	101	2		70 (82)	130 (124)	30 (15)
	m/p-Xylenes	40	41.0	ug/Kg	103	1		70 (83)	130 (124)	30 (15)
	o-Xylene	20	20.0	ug/Kg	100	0		70 (83)	130 (123)	30 (15)
	Styrene	20	19.7	ug/Kg	99	5		70 (82)	130 (124)	30 (15)
	Bromoform	20	19.5	ug/Kg	98	7		70 (75)	130 (127)	30 (16)
	Isopropylbenzene	20	20.4	ug/Kg	102	2		70 (82)	130 (124)	30 (15)
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103	6		70 (77)	130 (127)	30 (21)
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	7		70 (83)	130 (122)	30 (15)
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103	1		70 (84)	130 (121)	30 (15)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	4		70 (83)	130 (124)	30 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VW032418.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW1111SBSD01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/Kg	102	14		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70 (70)	130 (137)	30 (16)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VY023754.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1112SBS01	Dichlorodifluoromethane	20	21.2	ug/Kg	106			40 (64)	160 (136)	
	Chloromethane	20	19.0	ug/Kg	95			40 (73)	160 (129)	
	Vinyl chloride	20	19.3	ug/Kg	97			70 (73)	130 (133)	
	Bromomethane	20	20.1	ug/Kg	101			40 (77)	160 (137)	
	Chloroethane	20	19.2	ug/Kg	96			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.0	ug/Kg	105			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (174)	
	Carbon disulfide	20	19.7	ug/Kg	99			40 (73)	160 (125)	
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99			70 (77)	130 (129)	
	Methyl Acetate	20	15.6	ug/Kg	78			70 (51)	130 (140)	
	Methylene Chloride	20	20.2	ug/Kg	101			70 (54)	130 (158)	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.9	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	19.8	ug/Kg	99			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	20.2	ug/Kg	101			70 (80)	130 (127)	
	Chloroform	20	19.6	ug/Kg	98			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	Bromodichloromethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	20.0	ug/Kg	100			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	41.0	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3586 **Analytical Method:** SW8260D

Client: Remington & Vernick Engineers **Datafile :** VY023754.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1112SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW1111SBL01

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VW032416.D Lab Sample ID: VW1111SBL01

Date Analyzed: 11/11/2025 Time Analyzed: 09:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1111SBS01	VW1111SBS01	VW032417.D	11/11/2025
VW1111SBSD01	VW1111SBSD01	VW032418.D	11/11/2025
SED-1	Q3586-01	VW032427.D	11/11/2025
SED-2	Q3586-02	VW032428.D	11/11/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1112SBL01

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VY023753.D Lab Sample ID: VY1112SBL01

Date Analyzed: 11/12/2025 Time Analyzed: 10:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1112SBS01	VY1112SBS01	VY023754.D	11/12/2025
SED-1RE	Q3586-01RE	VY023759.D	11/12/2025
SED-2RE	Q3586-02RE	VY023760.D	11/12/2025
SED-3	Q3586-03	VY023761.D	11/12/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VW032405.D | BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_W | BFB Injection Time: 14:20

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	66.1 (98.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW032406.D	11/10/2025	15:11
VSTDICC010	VSTDICC010	VW032407.D	11/10/2025	15:33
VSTDICC020	VSTDICC020	VW032408.D	11/10/2025	15:55
VSTDICCC050	VSTDICCC050	VW032409.D	11/10/2025	16:17
VSTDICC100	VSTDICC100	VW032410.D	11/10/2025	16:39
VSTDICC150	VSTDICC150	VW032411.D	11/10/2025	17:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VW032414.D | BFB Injection Date: 11/11/2025

Instrument ID: MSVOA_W | BFB Injection Time: 07:26

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65 (98.5) 1
177	5.0 - 9.0% of mass 176	4.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032415.D	11/11/2025	08:31
VW1111SBL01	VW1111SBL01	VW032416.D	11/11/2025	09:34
VW1111SBS01	VW1111SBS01	VW032417.D	11/11/2025	10:00
VW1111SBSD01	VW1111SBSD01	VW032418.D	11/11/2025	10:21
SED-1	Q3586-01	VW032427.D	11/11/2025	13:54
SED-2	Q3586-02	VW032428.D	11/11/2025	14:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VY023660.D | BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:11

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91.1 (96.1) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023661.D	11/04/2025	09:19
VSTDICC010	VSTDICC010	VY023662.D	11/04/2025	09:42
VSTDICC020	VSTDICC020	VY023663.D	11/04/2025	10:19
VSTDICCC050	VSTDICCC050	VY023664.D	11/04/2025	10:42
VSTDICC100	VSTDICC100	VY023665.D	11/04/2025	11:05
VSTDICC150	VSTDICC150	VY023666.D	11/04/2025	11:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VY023751.D | BFB Injection Date: 11/12/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:23

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.2) 1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	89.5 (95.4) 1
177	5.0 - 9.0% of mass 176	5.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023752.D	11/12/2025	10:01
VY1112SBL01	VY1112SBL01	VY023753.D	11/12/2025	10:37
VY1112SBS01	VY1112SBS01	VY023754.D	11/12/2025	11:04
SED-1RE	Q3586-01RE	VY023759.D	11/12/2025	13:14
SED-2RE	Q3586-02RE	VY023760.D	11/12/2025	13:38
SED-3	Q3586-03	VY023761.D	11/12/2025	14:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VW032415.D Date Analyzed: 11/11/2025

Instrument ID: MSVOA_W Time Analyzed: 08:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	445777	7.96	817849	8.85	708146	11.63
UPPER LIMIT	891554	8.459	1635700	9.349	1416290	12.129
LOWER LIMIT	222889	7.459	408925	8.349	354073	11.129
EPA SAMPLE NO.						
SED-1	286762	7.97	660595	8.86	665967	11.64
SED-2	283259	7.96	670411	8.86	673114	11.64
VW1111SBL01	277247	7.96	601287	8.85	633123	11.63
VW1111SBS01	436360	7.96	782865	8.85	700699	11.63
VW1111SBSD01	419398	7.97	800811	8.85	702782	11.64

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VW032415.D Date Analyzed: 11/11/2025

Instrument ID: MSVOA_W Time Analyzed: 08:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	322015	13.556				
UPPER LIMIT	644030	14.056				
LOWER LIMIT	161008	13.056				
EPA SAMPLE NO.						
SED-1	321294	13.56				
SED-2	275351	13.56				
VW1111SBL01	297226	13.56				
VW1111SBS01	322112	13.56				
VW1111SBSD01	321153	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VY023752.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:01

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #		RT #	IS2 AREA #		RT #	IS3 AREA #		RT #
12 HOUR STD	542463		7.71	778548		8.62	693308		11.42
UPPER LIMIT	1084930		8.213	1557100		9.116	1386620		11.92
LOWER LIMIT	271232		7.213	389274		8.116	346654		10.92
EPA SAMPLE NO.									
SED-1RE	90723	*	7.71	111445	*	8.62	77890	*	11.42
SED-2RE	69400	*	7.71	117751	*	8.62	115570	*	11.41
SED-3	715841		7.71	1241972		8.62	1078013		11.41
VY1112SBL01	769463		7.71	1302390		8.62	1092818		11.42
VY1112SBS01	546007		7.71	796865		8.62	695921		11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VY023752.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:01

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	345261		13.346				
UPPER LIMIT	690522		13.846				
LOWER LIMIT	172631		12.846				
EPA SAMPLE NO.							
SED-1RE	23500	*	13.35				
SED-2RE	41947	*	13.35				
SED-3	465632		13.35				
VY1112SBL01	431668		13.35				
VY1112SBS01	358224		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Raw Data: **VW032416.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VW1111SBL01	SDG No.:	Q3586
Lab Sample ID:	VW1111SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/11/25 09:34	VW111125
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/11/25 09:34	VW111125
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/11/25 09:34	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/11/25 09:34	VW111125
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/11/25 09:34	VW111125
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/11/25 09:34	VW111125
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/11/25 09:34	VW111125
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/11/25 09:34	VW111125
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/11/25 09:34	VW111125
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/11/25 09:34	VW111125
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/11/25 09:34	VW111125
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/11/25 09:34	VW111125
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/11/25 09:34	VW111125
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/11/25 09:34	VW111125
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/11/25 09:34	VW111125
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/11/25 09:34	VW111125
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/11/25 09:34	VW111125
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/11/25 09:34	VW111125
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/11/25 09:34	VW111125
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/11/25 09:34	VW111125
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/11/25 09:34	VW111125
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/11/25 09:34	VW111125
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/11/25 09:34	VW111125
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/11/25 09:34	VW111125
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/11/25 09:34	VW111125
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/11/25 09:34	VW111125
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/11/25 09:34	VW111125
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/11/25 09:34	VW111125
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/11/25 09:34	VW111125
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/11/25 09:34	VW111125
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/11/25 09:34	VW111125
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/11/25 09:34	VW111125
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/11/25 09:34	VW111125
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/11/25 09:34	VW111125
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/11/25 09:34	VW111125
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/11/25 09:34	VW111125
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/11/25 09:34	VW111125
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/11/25 09:34	VW111125

Raw Data: **VW032416.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VW1111SBL01			SDG No.:	Q3586
Lab Sample ID:	VW1111SBL01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/11/25 09:34	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/11/25 09:34	VW111125
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/11/25 09:34	VW111125
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/11/25 09:34	VW111125
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/11/25 09:34	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/11/25 09:34	VW111125
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/11/25 09:34	VW111125
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/11/25 09:34	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.2			70 (63) - 130 (155)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.1			70 (70) - 130 (134)	110%	SPK: 50		
2037-26-5	Toluene-d8	53.1			70 (74) - 130 (123)	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.3			70 (52) - 130 (138)	115%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	277000							
540-36-3	1,4-Difluorobenzene	601000							
3114-55-4	Chlorobenzene-d5	633000							
3855-82-1	1,4-Dichlorobenzene-d4	297000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VY023753.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VY1112SBL01	SDG No.:	Q3586
Lab Sample ID:	VY1112SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/12/25 10:37	VY111225
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/12/25 10:37	VY111225
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/12/25 10:37	VY111225
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/12/25 10:37	VY111225
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/12/25 10:37	VY111225
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/12/25 10:37	VY111225
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/12/25 10:37	VY111225
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/12/25 10:37	VY111225
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/12/25 10:37	VY111225
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/12/25 10:37	VY111225
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/12/25 10:37	VY111225
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/12/25 10:37	VY111225
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/12/25 10:37	VY111225
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/12/25 10:37	VY111225
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/12/25 10:37	VY111225
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/12/25 10:37	VY111225
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/12/25 10:37	VY111225
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/12/25 10:37	VY111225
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/12/25 10:37	VY111225
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/12/25 10:37	VY111225
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/12/25 10:37	VY111225
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/12/25 10:37	VY111225
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/12/25 10:37	VY111225
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/12/25 10:37	VY111225
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/12/25 10:37	VY111225
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/12/25 10:37	VY111225
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/12/25 10:37	VY111225
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/12/25 10:37	VY111225
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/12/25 10:37	VY111225
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/12/25 10:37	VY111225
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/12/25 10:37	VY111225
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/12/25 10:37	VY111225
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/12/25 10:37	VY111225
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/12/25 10:37	VY111225
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/12/25 10:37	VY111225
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/12/25 10:37	VY111225
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/12/25 10:37	VY111225
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/12/25 10:37	VY111225

Raw Data: **VY023753.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VY1112SBL01	SDG No.:	Q3586
Lab Sample ID:	VY1112SBL01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/12/25 10:37	VY111225
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/12/25 10:37	VY111225
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/12/25 10:37	VY111225
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/12/25 10:37	VY111225
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/12/25 10:37	VY111225
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/12/25 10:37	VY111225
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/12/25 10:37	VY111225
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/12/25 10:37	VY111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.4			70 (63) - 130 (155)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.1			70 (70) - 130 (134)	102%	SPK: 50		
2037-26-5	Toluene-d8	48.1			70 (74) - 130 (123)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.4			70 (52) - 130 (138)	85%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	769000							
540-36-3	1,4-Difluorobenzene	1300000							
3114-55-4	Chlorobenzene-d5	1090000							
3855-82-1	1,4-Dichlorobenzene-d4	432000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VW032417.D**

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VW1111SBS01	SDG No.:	Q3586
Lab Sample ID:	VW1111SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.7		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
74-87-3	Chloromethane	20.7		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
75-01-4	Vinyl Chloride	21.0		1	0.79	5.00	ug/Kg	11/11/25 10:00	VW111125
74-83-9	Bromomethane	20.9		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
75-00-3	Chloroethane	20.5		1	1.30	5.00	ug/Kg	11/11/25 10:00	VW111125
75-69-4	Trichlorofluoromethane	18.3		1	1.20	5.00	ug/Kg	11/11/25 10:00	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
75-35-4	1,1-Dichloroethene	21.3		1	1.00	5.00	ug/Kg	11/11/25 10:00	VW111125
67-64-1	Acetone	100		1	4.70	25.0	ug/Kg	11/11/25 10:00	VW111125
75-15-0	Carbon Disulfide	20.3		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
1634-04-4	Methyl tert-butyl Ether	19.5		1	0.73	5.00	ug/Kg	11/11/25 10:00	VW111125
79-20-9	Methyl Acetate	17.2		1	1.50	5.00	ug/Kg	11/11/25 10:00	VW111125
75-09-2	Methylene Chloride	19.2		1	3.50	10.0	ug/Kg	11/11/25 10:00	VW111125
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	5.00	ug/Kg	11/11/25 10:00	VW111125
75-34-3	1,1-Dichloroethane	20.6		1	0.80	5.00	ug/Kg	11/11/25 10:00	VW111125
110-82-7	Cyclohexane	20.8		1	0.79	5.00	ug/Kg	11/11/25 10:00	VW111125
78-93-3	2-Butanone	90.4		1	6.50	25.0	ug/Kg	11/11/25 10:00	VW111125
56-23-5	Carbon Tetrachloride	21.2		1	0.97	5.00	ug/Kg	11/11/25 10:00	VW111125
156-59-2	cis-1,2-Dichloroethene	20.2		1	0.75	5.00	ug/Kg	11/11/25 10:00	VW111125
74-97-5	Bromochloromethane	19.4		1	1.20	5.00	ug/Kg	11/11/25 10:00	VW111125
67-66-3	Chloroform	20.7		1	0.84	5.00	ug/Kg	11/11/25 10:00	VW111125
71-55-6	1,1,1-Trichloroethane	20.8		1	0.93	5.00	ug/Kg	11/11/25 10:00	VW111125
108-87-2	Methylcyclohexane	20.8		1	0.91	5.00	ug/Kg	11/11/25 10:00	VW111125
71-43-2	Benzene	20.9		1	0.79	5.00	ug/Kg	11/11/25 10:00	VW111125
107-06-2	1,2-Dichloroethane	20.2		1	0.79	5.00	ug/Kg	11/11/25 10:00	VW111125
79-01-6	Trichloroethene	20.3		1	0.81	5.00	ug/Kg	11/11/25 10:00	VW111125
78-87-5	1,2-Dichloropropane	20.6		1	0.91	5.00	ug/Kg	11/11/25 10:00	VW111125
75-27-4	Bromodichloromethane	20.2		1	0.78	5.00	ug/Kg	11/11/25 10:00	VW111125
108-10-1	4-Methyl-2-Pentanone	92.1		1	3.60	25.0	ug/Kg	11/11/25 10:00	VW111125
108-88-3	Toluene	21.2		1	0.78	5.00	ug/Kg	11/11/25 10:00	VW111125
10061-02-6	t-1,3-Dichloropropene	19.5		1	0.65	5.00	ug/Kg	11/11/25 10:00	VW111125
10061-01-5	cis-1,3-Dichloropropene	20.2		1	0.62	5.00	ug/Kg	11/11/25 10:00	VW111125
79-00-5	1,1,2-Trichloroethane	20.0		1	0.92	5.00	ug/Kg	11/11/25 10:00	VW111125
591-78-6	2-Hexanone	91.7		1	3.70	25.0	ug/Kg	11/11/25 10:00	VW111125
124-48-1	Dibromochloromethane	19.2		1	0.87	5.00	ug/Kg	11/11/25 10:00	VW111125
106-93-4	1,2-Dibromoethane	19.5		1	0.88	5.00	ug/Kg	11/11/25 10:00	VW111125
127-18-4	Tetrachloroethene	21.3		1	1.10	5.00	ug/Kg	11/11/25 10:00	VW111125
108-90-7	Chlorobenzene	20.7		1	0.91	5.00	ug/Kg	11/11/25 10:00	VW111125
100-41-4	Ethyl Benzene	20.5		1	0.67	5.00	ug/Kg	11/11/25 10:00	VW111125
179601-23-1	m/p-Xylenes	41.8		1	1.20	10.0	ug/Kg	11/11/25 10:00	VW111125
95-47-6	o-Xylene	20.0		1	0.82	5.00	ug/Kg	11/11/25 10:00	VW111125
100-42-5	Styrene	20.9		1	0.71	5.00	ug/Kg	11/11/25 10:00	VW111125
75-25-2	Bromoform	18.1		1	0.86	5.00	ug/Kg	11/11/25 10:00	VW111125

Raw Data: **VW032417.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VW1111SBS01			SDG No.:	Q3586
Lab Sample ID:	VW1111SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.7		1	0.78	5.00	ug/Kg	11/11/25 10:00	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1	1.20	5.00	ug/Kg	11/11/25 10:00	VW111125
541-73-1	1,3-Dichlorobenzene	22.1		1	1.70	5.00	ug/Kg	11/11/25 10:00	VW111125
106-46-7	1,4-Dichlorobenzene	20.8		1	1.60	5.00	ug/Kg	11/11/25 10:00	VW111125
95-50-1	1,2-Dichlorobenzene	19.9		1	1.50	5.00	ug/Kg	11/11/25 10:00	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1	1.80	5.00	ug/Kg	11/11/25 10:00	VW111125
120-82-1	1,2,4-Trichlorobenzene	20.5		1	3.00	5.00	ug/Kg	11/11/25 10:00	VW111125
87-61-6	1,2,3-Trichlorobenzene	19.3		1	3.20	5.00	ug/Kg	11/11/25 10:00	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.5			70 (63) - 130 (155)	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			70 (70) - 130 (134)	99%	SPK: 50		
2037-26-5	Toluene-d8	51.3			70 (74) - 130 (123)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			70 (52) - 130 (138)	101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	436000							
540-36-3	1,4-Difluorobenzene	783000							
3114-55-4	Chlorobenzene-d5	701000							
3855-82-1	1,4-Dichlorobenzene-d4	322000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VY023754.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VY1112SBS01	SDG No.:	Q3586
Lab Sample ID:	VY1112SBS01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.2		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
74-87-3	Chloromethane	19.0		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
75-01-4	Vinyl Chloride	19.3		1	0.79	5.00	ug/Kg	11/12/25 11:04	VY111225
74-83-9	Bromomethane	20.1		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
75-00-3	Chloroethane	19.2		1	1.30	5.00	ug/Kg	11/12/25 11:04	VY111225
75-69-4	Trichlorofluoromethane	21.0		1	1.20	5.00	ug/Kg	11/12/25 11:04	VY111225
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
75-35-4	1,1-Dichloroethene	19.7		1	1.00	5.00	ug/Kg	11/12/25 11:04	VY111225
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/12/25 11:04	VY111225
75-15-0	Carbon Disulfide	19.7		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
1634-04-4	Methyl tert-butyl Ether	19.7		1	0.73	5.00	ug/Kg	11/12/25 11:04	VY111225
79-20-9	Methyl Acetate	15.6		1	1.50	5.00	ug/Kg	11/12/25 11:04	VY111225
75-09-2	Methylene Chloride	20.2		1	3.50	10.0	ug/Kg	11/12/25 11:04	VY111225
156-60-5	trans-1,2-Dichloroethene	19.7		1	0.86	5.00	ug/Kg	11/12/25 11:04	VY111225
75-34-3	1,1-Dichloroethane	19.9		1	0.80	5.00	ug/Kg	11/12/25 11:04	VY111225
110-82-7	Cyclohexane	19.8		1	0.79	5.00	ug/Kg	11/12/25 11:04	VY111225
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/12/25 11:04	VY111225
56-23-5	Carbon Tetrachloride	20.4		1	0.97	5.00	ug/Kg	11/12/25 11:04	VY111225
156-59-2	cis-1,2-Dichloroethene	19.6		1	0.75	5.00	ug/Kg	11/12/25 11:04	VY111225
74-97-5	Bromochloromethane	20.2		1	1.20	5.00	ug/Kg	11/12/25 11:04	VY111225
67-66-3	Chloroform	19.6		1	0.84	5.00	ug/Kg	11/12/25 11:04	VY111225
71-55-6	1,1,1-Trichloroethane	20.1		1	0.93	5.00	ug/Kg	11/12/25 11:04	VY111225
108-87-2	Methylcyclohexane	20.0		1	0.91	5.00	ug/Kg	11/12/25 11:04	VY111225
71-43-2	Benzene	20.1		1	0.79	5.00	ug/Kg	11/12/25 11:04	VY111225
107-06-2	1,2-Dichloroethane	20.3		1	0.79	5.00	ug/Kg	11/12/25 11:04	VY111225
79-01-6	Trichloroethene	20.1		1	0.81	5.00	ug/Kg	11/12/25 11:04	VY111225
78-87-5	1,2-Dichloropropane	19.7		1	0.91	5.00	ug/Kg	11/12/25 11:04	VY111225
75-27-4	Bromodichloromethane	20.3		1	0.78	5.00	ug/Kg	11/12/25 11:04	VY111225
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	11/12/25 11:04	VY111225
108-88-3	Toluene	20.6		1	0.78	5.00	ug/Kg	11/12/25 11:04	VY111225
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	5.00	ug/Kg	11/12/25 11:04	VY111225
10061-01-5	cis-1,3-Dichloropropene	20.0		1	0.62	5.00	ug/Kg	11/12/25 11:04	VY111225
79-00-5	1,1,2-Trichloroethane	19.8		1	0.92	5.00	ug/Kg	11/12/25 11:04	VY111225
591-78-6	2-Hexanone	110		1	3.70	25.0	ug/Kg	11/12/25 11:04	VY111225
124-48-1	Dibromochloromethane	20.1		1	0.87	5.00	ug/Kg	11/12/25 11:04	VY111225
106-93-4	1,2-Dibromoethane	20.1		1	0.88	5.00	ug/Kg	11/12/25 11:04	VY111225
127-18-4	Tetrachloroethene	20.0		1	1.10	5.00	ug/Kg	11/12/25 11:04	VY111225
108-90-7	Chlorobenzene	19.9		1	0.91	5.00	ug/Kg	11/12/25 11:04	VY111225
100-41-4	Ethyl Benzene	20.2		1	0.67	5.00	ug/Kg	11/12/25 11:04	VY111225
179601-23-1	m/p-Xylenes	41.0		1	1.20	10.0	ug/Kg	11/12/25 11:04	VY111225
95-47-6	o-Xylene	19.8		1	0.82	5.00	ug/Kg	11/12/25 11:04	VY111225
100-42-5	Styrene	20.1		1	0.71	5.00	ug/Kg	11/12/25 11:04	VY111225
75-25-2	Bromoform	20.4		1	0.86	5.00	ug/Kg	11/12/25 11:04	VY111225

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VY1112SBS01			SDG No.:	Q3586
Lab Sample ID:	VY1112SBS01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	11/12/25 11:04	VY111225
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1	1.20	5.00	ug/Kg	11/12/25 11:04	VY111225
541-73-1	1,3-Dichlorobenzene	19.4		1	1.70	5.00	ug/Kg	11/12/25 11:04	VY111225
106-46-7	1,4-Dichlorobenzene	19.6		1	1.60	5.00	ug/Kg	11/12/25 11:04	VY111225
95-50-1	1,2-Dichlorobenzene	19.6		1	1.50	5.00	ug/Kg	11/12/25 11:04	VY111225
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1	1.80	5.00	ug/Kg	11/12/25 11:04	VY111225
120-82-1	1,2,4-Trichlorobenzene	18.7		1	3.00	5.00	ug/Kg	11/12/25 11:04	VY111225
87-61-6	1,2,3-Trichlorobenzene	19.0		1	3.20	5.00	ug/Kg	11/12/25 11:04	VY111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.4			70 (63) - 130 (155)	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.6			70 (70) - 130 (134)	101%	SPK: 50		
2037-26-5	Toluene-d8	51.3			70 (74) - 130 (123)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			70 (52) - 130 (138)	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	546000							
540-36-3	1,4-Difluorobenzene	797000							
3114-55-4	Chlorobenzene-d5	696000							
3855-82-1	1,4-Dichlorobenzene-d4	358000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VW032418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VW1111SBSD01	SDG No.:	Q3586
Lab Sample ID:	VW1111SBSD01	Matrix:	SOIL
Analytical Method:	8260D	Level: LOW	% Solid: 100
Sample Wt/Vol:	5 g	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.2		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
74-87-3	Chloromethane	20.5		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
75-01-4	Vinyl Chloride	20.3		1	0.79	5.00	ug/Kg	11/11/25 10:21	VW111125
74-83-9	Bromomethane	21.1		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
75-00-3	Chloroethane	20.5		1	1.30	5.00	ug/Kg	11/11/25 10:21	VW111125
75-69-4	Trichlorofluoromethane	20.2		1	1.20	5.00	ug/Kg	11/11/25 10:21	VW111125
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
75-35-4	1,1-Dichloroethene	20.3		1	1.00	5.00	ug/Kg	11/11/25 10:21	VW111125
67-64-1	Acetone	110		1	4.70	25.0	ug/Kg	11/11/25 10:21	VW111125
75-15-0	Carbon Disulfide	20.6		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
1634-04-4	Methyl tert-butyl Ether	20.8		1	0.73	5.00	ug/Kg	11/11/25 10:21	VW111125
79-20-9	Methyl Acetate	19.7		1	1.50	5.00	ug/Kg	11/11/25 10:21	VW111125
75-09-2	Methylene Chloride	19.5		1	3.50	10.0	ug/Kg	11/11/25 10:21	VW111125
156-60-5	trans-1,2-Dichloroethene	20.4		1	0.86	5.00	ug/Kg	11/11/25 10:21	VW111125
75-34-3	1,1-Dichloroethane	20.6		1	0.80	5.00	ug/Kg	11/11/25 10:21	VW111125
110-82-7	Cyclohexane	20.0		1	0.79	5.00	ug/Kg	11/11/25 10:21	VW111125
78-93-3	2-Butanone	110		1	6.50	25.0	ug/Kg	11/11/25 10:21	VW111125
56-23-5	Carbon Tetrachloride	19.9		1	0.97	5.00	ug/Kg	11/11/25 10:21	VW111125
156-59-2	cis-1,2-Dichloroethene	20.4		1	0.75	5.00	ug/Kg	11/11/25 10:21	VW111125
74-97-5	Bromochloromethane	20.5		1	1.20	5.00	ug/Kg	11/11/25 10:21	VW111125
67-66-3	Chloroform	21.0		1	0.84	5.00	ug/Kg	11/11/25 10:21	VW111125
71-55-6	1,1,1-Trichloroethane	21.0		1	0.93	5.00	ug/Kg	11/11/25 10:21	VW111125
108-87-2	Methylcyclohexane	19.4		1	0.91	5.00	ug/Kg	11/11/25 10:21	VW111125
71-43-2	Benzene	19.7		1	0.79	5.00	ug/Kg	11/11/25 10:21	VW111125
107-06-2	1,2-Dichloroethane	19.9		1	0.79	5.00	ug/Kg	11/11/25 10:21	VW111125
79-01-6	Trichloroethene	19.5		1	0.81	5.00	ug/Kg	11/11/25 10:21	VW111125
78-87-5	1,2-Dichloropropane	19.7		1	0.91	5.00	ug/Kg	11/11/25 10:21	VW111125
75-27-4	Bromodichloromethane	20.0		1	0.78	5.00	ug/Kg	11/11/25 10:21	VW111125
108-10-1	4-Methyl-2-Pentanone	100		1	3.60	25.0	ug/Kg	11/11/25 10:21	VW111125
108-88-3	Toluene	19.8		1	0.78	5.00	ug/Kg	11/11/25 10:21	VW111125
10061-02-6	t-1,3-Dichloropropene	19.4		1	0.65	5.00	ug/Kg	11/11/25 10:21	VW111125
10061-01-5	cis-1,3-Dichloropropene	19.5		1	0.62	5.00	ug/Kg	11/11/25 10:21	VW111125
79-00-5	1,1,2-Trichloroethane	20.1		1	0.92	5.00	ug/Kg	11/11/25 10:21	VW111125
591-78-6	2-Hexanone	100		1	3.70	25.0	ug/Kg	11/11/25 10:21	VW111125
124-48-1	Dibromochloromethane	19.7		1	0.87	5.00	ug/Kg	11/11/25 10:21	VW111125
106-93-4	1,2-Dibromoethane	19.8		1	0.88	5.00	ug/Kg	11/11/25 10:21	VW111125
127-18-4	Tetrachloroethene	20.5		1	1.10	5.00	ug/Kg	11/11/25 10:21	VW111125
108-90-7	Chlorobenzene	19.7		1	0.91	5.00	ug/Kg	11/11/25 10:21	VW111125
100-41-4	Ethyl Benzene	20.1		1	0.67	5.00	ug/Kg	11/11/25 10:21	VW111125
179601-23-1	m/p-Xylenes	41.0		1	1.20	10.0	ug/Kg	11/11/25 10:21	VW111125
95-47-6	o-Xylene	20.0		1	0.82	5.00	ug/Kg	11/11/25 10:21	VW111125
100-42-5	Styrene	19.7		1	0.71	5.00	ug/Kg	11/11/25 10:21	VW111125
75-25-2	Bromoform	19.5		1	0.86	5.00	ug/Kg	11/11/25 10:21	VW111125

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VW1111SBSD01			SDG No.:	Q3586
Lab Sample ID:	VW1111SBSD01			Matrix:	SOIL
Analytical Method:	8260D	Level:	LOW	% Solid:	100
Sample Wt/Vol:	5 g	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.4		1	0.78	5.00	ug/Kg	11/11/25 10:21	VW111125
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1	1.20	5.00	ug/Kg	11/11/25 10:21	VW111125
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	5.00	ug/Kg	11/11/25 10:21	VW111125
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	5.00	ug/Kg	11/11/25 10:21	VW111125
95-50-1	1,2-Dichlorobenzene	20.9		1	1.50	5.00	ug/Kg	11/11/25 10:21	VW111125
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		1	1.80	5.00	ug/Kg	11/11/25 10:21	VW111125
120-82-1	1,2,4-Trichlorobenzene	20.0		1	3.00	5.00	ug/Kg	11/11/25 10:21	VW111125
87-61-6	1,2,3-Trichlorobenzene	20.3		1	3.20	5.00	ug/Kg	11/11/25 10:21	VW111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.6			70 (63) - 130 (155)	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (70) - 130 (134)	94%	SPK: 50		
2037-26-5	Toluene-d8	48.0			70 (74) - 130 (123)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.6			70 (52) - 130 (138)	93%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	419000							
540-36-3	1,4-Difluorobenzene	801000							
3114-55-4	Chlorobenzene-d5	703000							
3855-82-1	1,4-Dichlorobenzene-d4	321000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.288	0.282	0.231	0.248	0.243	0.230	0.254	10
Chloromethane	0.476	0.439	0.408	0.408	0.438	0.440	0.435	5.8
Vinyl Chloride	0.591	0.567	0.525	0.538	0.543	0.528	0.549	4.6
Bromomethane	0.402	0.371	0.350	0.358	0.364	0.358	0.367	5.1
Chloroethane	0.382	0.361	0.340	0.355	0.362	0.354	0.359	3.9
Trichlorofluoromethane	0.420	0.416	0.392	0.459	0.442	0.452	0.430	5.9
1,1,2-Trichlorotrifluoroethane	0.506	0.495	0.438	0.467	0.458	0.449	0.469	5.6
1,1-Dichloroethene	0.576	0.541	0.506	0.540	0.539	0.523	0.537	4.3
Acetone	0.216	0.194	0.183	0.186	0.190	0.188	0.193	6.3
Carbon Disulfide	1.604	1.574	1.497	1.608	1.644	1.603	1.588	3.1
Methyl tert-butyl Ether	1.186	1.163	1.107	1.139	1.126	1.076	1.133	3.5
Methyl Acetate	0.486	0.494	0.459	0.463	0.476	0.487	0.478	2.9
Methylene Chloride	0.789	0.741	0.682	0.640	0.658	0.629	0.690	9.1
trans-1,2-Dichloroethene	0.646	0.619	0.596	0.603	0.624	0.598	0.615	3.1
1,1-Dichloroethane	1.217	1.156	1.091	1.148	1.168	1.138	1.153	3.5
Cyclohexane	1.236	1.141	1.016	1.027	1.003	0.976	1.066	9.5
2-Butanone	0.292	0.288	0.282	0.280	0.284	0.278	0.284	1.9
Carbon Tetrachloride	0.392	0.398	0.386	0.399	0.386	0.391	0.392	1.4
cis-1,2-Dichloroethene	0.764	0.727	0.713	0.729	0.748	0.723	0.734	2.5
Bromochloromethane	0.606	0.563	0.533	0.502	0.538	0.527	0.545	6.6
Chloroform	1.164	1.165	1.089	1.109	1.141	1.103	1.129	2.9
1,1,1-Trichloroethane	0.831	0.820	0.776	0.817	0.817	0.777	0.806	2.9
Methylcyclohexane	0.560	0.575	0.562	0.598	0.562	0.572	0.571	2.5
Benzene	1.410	1.473	1.410	1.437	1.413	1.380	1.420	2.2
1,2-Dichloroethane	0.425	0.423	0.416	0.421	0.409	0.409	0.417	1.7
Trichloroethene	0.336	0.340	0.327	0.335	0.323	0.323	0.331	2.2
1,2-Dichloropropane	0.356	0.360	0.354	0.356	0.350	0.346	0.354	1.4
Bromodichloromethane	0.460	0.469	0.456	0.482	0.481	0.482	0.471	2.5
4-Methyl-2-Pentanone	0.304	0.329	0.330	0.336	0.317	0.311	0.321	3.9
Toluene	0.875	0.896	0.870	0.894	0.870	0.859	0.877	1.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_W Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Calibration Time(s): 15:11 17:00

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.445	0.481	0.469	0.504	0.508	0.507	0.486	5.2
cis-1,3-Dichloropropene	0.531	0.553	0.556	0.579	0.576	0.574	0.562	3.2
1,1,2-Trichloroethane	0.288	0.283	0.282	0.293	0.278	0.277	0.284	2.1
2-Hexanone	0.223	0.245	0.241	0.244	0.231	0.226	0.235	4
Dibromochloromethane	0.306	0.317	0.314	0.320	0.320	0.322	0.317	1.9
1,2-Dibromoethane	0.261	0.292	0.279	0.281	0.272	0.272	0.276	3.8
Tetrachloroethene	0.298	0.304	0.285	0.300	0.303	0.287	0.296	2.8
Chlorobenzene	1.087	1.088	1.042	1.133	1.093	1.023	1.078	3.7
Ethyl Benzene	1.875	1.853	1.822	1.944	1.915	1.779	1.865	3.2
m/p-Xylenes	0.692	0.713	0.679	0.732	0.708	0.677	0.700	3
o-Xylene	0.668	0.659	0.662	0.682	0.699	0.653	0.670	2.5
Styrene	1.104	1.146	1.132	1.208	1.212	1.118	1.153	4
Bromoform	0.187	0.201	0.193	0.203	0.205	0.196	0.198	3.5
Isopropylbenzene	3.523	3.562	3.511	3.968	3.781	3.689	3.672	4.9
1,1,2,2-Tetrachloroethane	0.886	0.869	0.845	0.927	0.871	0.831	0.871	3.8
1,3-Dichlorobenzene	1.665	1.630	1.620	1.721	1.659	1.596	1.648	2.7
1,4-Dichlorobenzene	1.776	1.680	1.644	1.774	1.658	1.602	1.689	4.2
1,2-Dichlorobenzene	1.547	1.528	1.464	1.545	1.509	1.488	1.513	2.2
1,2-Dibromo-3-Chloropropane	0.145	0.146	0.145	0.159	0.152	0.154	0.150	3.8
1,2,4-Trichlorobenzene	0.943	0.917	0.923	1.032	0.972	0.992	0.963	4.6
1,2,3-Trichlorobenzene	0.892	0.831	0.836	0.901	0.880	0.906	0.874	3.8
1,2-Dichloroethane-d4	0.691	0.654	0.647	0.605	0.640	0.630	0.645	4.4
Dibromofluoromethane	0.314	0.302	0.305	0.287	0.297	0.291	0.299	3.3
Toluene-d8	1.171	1.176	1.152	1.130	1.136	1.125	1.148	1.9
4-Bromofluorobenzene	0.444	0.444	0.454	0.415	0.426	0.421	0.434	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023661.D RRF010 = VY023662.D RRF020 = VY023663.D
RRF050 = VY023664.D RRF100 = VY023665.D RRF150 = VY023666.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.9
Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.4
Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.7
Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.5
Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.1
Trichlorofluoromethane	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.2
1,1,2-Trichlorotrifluoroethane	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.1
1,1-Dichloroethene	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.2
Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.4
Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.3
Methyl tert-butyl Ether	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.8
Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.4
Methylene Chloride	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.1
trans-1,2-Dichloroethene	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.3
1,1-Dichloroethane	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.3
Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.8
2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.8
Carbon Tetrachloride	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.2
cis-1,2-Dichloroethene	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.4
Bromochloromethane	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.7
Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.1
1,1,1-Trichloroethane	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.7
Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.8
Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.6
1,2-Dichloroethane	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.3
Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.8
1,2-Dichloropropane	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.6
Bromodichloromethane	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3
4-Methyl-2-Pentanone	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.8
Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023661.D RRF010 = VY023662.D RRF020 = VY023663.D
RRF050 = VY023664.D RRF100 = VY023665.D RRF150 = VY023666.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.2
cis-1,3-Dichloropropene	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.1
1,1,2-Trichloroethane	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.5
2-Hexanone	0.101	0.099	0.127	0.115	0.132	0.133	0.118	12.9
Dibromochloromethane	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.7
1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.3
Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.9
Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.089	2
Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.6
m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.1
o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9
Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.1
Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.5
Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.6
1,1,2,2-Tetrachloroethane	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6
1,3-Dichlorobenzene	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.3
1,4-Dichlorobenzene	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.5
1,2-Dichlorobenzene	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.1
1,2-Dibromo-3-Chloropropane	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.7
1,2,4-Trichlorobenzene	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.5
1,2,3-Trichlorobenzene	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.9
1,2-Dichloroethane-d4	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.3
Dibromofluoromethane	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.2
Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.3
4-Bromofluorobenzene	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3586
Instrument ID: MSVOA_W
Calibration Date/Time: 11/11/2025 08:31
Lab File ID: VW032415.D
Init. Calib. Date(s): 11/10/2025 11/10/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 15:11 17:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.254	0.230		-9.45	20
Chloromethane	0.435	0.408	0.1	-6.21	20
Vinyl Chloride	0.549	0.558		1.64	20
Bromomethane	0.367	0.372		1.36	20
Chloroethane	0.359	0.355		-1.11	20
Trichlorofluoromethane	0.430	0.384		-10.7	20
1,1,2-Trichlorotrifluoroethane	0.469	0.477		1.71	20
1,1-Dichloroethene	0.537	0.550		2.42	20
Acetone	0.193	0.206		6.74	20
Carbon Disulfide	1.588	1.648		3.78	20
Methyl tert-butyl Ether	1.133	1.115		-1.59	20
Methyl Acetate	0.478	0.417		-12.76	20
Methylene Chloride	0.690	0.644		-6.67	20
trans-1,2-Dichloroethene	0.615	0.612		-0.49	20
1,1-Dichloroethane	1.153	1.157	0.1	0.35	20
Cyclohexane	1.066	1.033		-3.1	20
2-Butanone	0.284	0.267		-5.99	20
Carbon Tetrachloride	0.392	0.390		-0.51	20
cis-1,2-Dichloroethene	0.734	0.737		0.41	20
Bromochloromethane	0.545	0.521		-4.4	20
Chloroform	1.129	1.128		-0.09	20
1,1,1-Trichloroethane	0.806	0.818		1.49	20
Methylcyclohexane	0.571	0.573		0.35	20
Benzene	1.420	1.398		-1.55	20
1,2-Dichloroethane	0.417	0.397		-4.8	20
Trichloroethene	0.331	0.317		-4.23	20
1,2-Dichloropropane	0.354	0.348		-1.7	20
Bromodichloromethane	0.471	0.467		-0.85	20
4-Methyl-2-Pentanone	0.321	0.295		-8.1	20
Toluene	0.877	0.857		-2.28	20
t-1,3-Dichloropropene	0.486	0.482		-0.82	20
cis-1,3-Dichloropropene	0.562	0.559		-0.53	20
1,1,2-Trichloroethane	0.284	0.267		-5.99	20
2-Hexanone	0.235	0.217		-7.66	20
Dibromochloromethane	0.317	0.315		-0.63	20
1,2-Dibromoethane	0.276	0.262		-5.07	20
Tetrachloroethene	0.296	0.304		2.7	20
Chlorobenzene	1.078	1.089	0.3	1.02	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_W Calibration Date/Time: 11/11/2025 08:31

Lab File ID: VW032415.D Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:11 17:00

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.865	1.926		3.27	20
m/p-Xylenes	0.700	0.720		2.86	20
o-Xylene	0.670	0.690		2.98	20
Styrene	1.153	1.208		4.77	20
Bromoform	0.198	0.193	0.1	-2.53	20
Isopropylbenzene	3.672	3.829		4.28	20
1,1,2,2-Tetrachloroethane	0.871	0.837	0.3	-3.9	20
1,3-Dichlorobenzene	1.648	1.714		4.01	20
1,4-Dichlorobenzene	1.689	1.688		-0.06	20
1,2-Dichlorobenzene	1.513	1.494		-1.26	20
1,2-Dibromo-3-Chloropropane	0.150	0.139		-7.33	20
1,2,4-Trichlorobenzene	0.963	0.953		-1.04	20
1,2,3-Trichlorobenzene	0.874	0.833		-4.69	20
1,2-Dichloroethane-d4	0.645	0.618		-4.19	20
Dibromofluoromethane	0.299	0.293		-2.01	20
Toluene-d8	1.148	1.160		1.04	20
4-Bromofluorobenzene	0.434	0.421		-2.99	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3586
Instrument ID: MSVOA_Y
Calibration Date/Time: 11/12/2025 10:01
Lab File ID: VY023752.D
Init. Calib. Date(s): 11/04/2025 11/04/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:19 11:27
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.328	0.287		-12.5	20
Chloromethane	0.459	0.395	0.1	-13.94	20
Vinyl Chloride	0.598	0.535		-10.53	20
Bromomethane	0.503	0.446		-11.33	20
Chloroethane	0.413	0.388		-6.05	20
Trichlorofluoromethane	0.842	0.835		-0.83	20
1,1,2-Trichlorotrifluoroethane	0.464	0.460		-0.86	20
1,1-Dichloroethene	0.447	0.446		-0.22	20
Acetone	0.106	0.126		18.87	20
Carbon Disulfide	1.371	1.308		-4.59	20
Methyl tert-butyl Ether	1.036	1.124		8.49	20
Methyl Acetate	0.234	0.221		-5.56	20
Methylene Chloride	0.512	0.493		-3.71	20
trans-1,2-Dichloroethene	0.504	0.503		-0.2	20
1,1-Dichloroethane	0.807	0.804	0.1	-0.37	20
Cyclohexane	0.703	0.689		-1.99	20
2-Butanone	0.123	0.140		13.82	20
Carbon Tetrachloride	0.492	0.519		5.49	20
cis-1,2-Dichloroethene	0.575	0.587		2.09	20
Bromochloromethane	0.309	0.311		0.65	20
Chloroform	0.901	0.898		-0.33	20
1,1,1-Trichloroethane	0.805	0.810		0.62	20
Methylcyclohexane	0.534	0.575		7.68	20
Benzene	1.316	1.358		3.19	20
1,2-Dichloroethane	0.333	0.350		5.11	20
Trichloroethene	0.378	0.389		2.91	20
1,2-Dichloropropane	0.290	0.301		3.79	20
Bromodichloromethane	0.454	0.480		5.73	20
4-Methyl-2-Pentanone	0.162	0.190		17.28	20
Toluene	0.840	0.900		7.14	20
t-1,3-Dichloropropene	0.384	0.422		9.9	20
cis-1,3-Dichloropropene	0.460	0.494		7.39	20
1,1,2-Trichloroethane	0.241	0.260		7.88	20
2-Hexanone	0.118	0.143		21.19	20
Dibromochloromethane	0.330	0.361		9.39	20
1,2-Dibromoethane	0.226	0.247		9.29	20
Tetrachloroethene	0.520	0.541		4.04	20
Chlorobenzene	1.089	1.147	0.3	5.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_Y Calibration Date/Time: 11/12/2025 10:01

Lab File ID: VY023752.D Init. Calib. Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:19 11:27

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.762	1.933		9.7	20
m/p-Xylenes	0.704	0.769		9.23	20
o-Xylene	0.651	0.718		10.29	20
Styrene	1.074	1.200		11.73	20
Bromoform	0.225	0.259	0.1	15.11	20
Isopropylbenzene	3.344	3.789		13.31	20
1,1,2,2-Tetrachloroethane	0.534	0.601	0.3	12.55	20
1,3-Dichlorobenzene	1.707	1.800		5.45	20
1,4-Dichlorobenzene	1.677	1.757		4.77	20
1,2-Dichlorobenzene	1.471	1.588		7.95	20
1,2-Dibromo-3-Chloropropane	0.082	0.093		13.41	20
1,2,4-Trichlorobenzene	0.842	0.930		10.45	20
1,2,3-Trichlorobenzene	0.703	0.793		12.8	20
1,2-Dichloroethane-d4	0.427	0.419		-1.87	20
Dibromofluoromethane	0.312	0.321		2.88	20
Toluene-d8	1.164	1.193		2.49	20
4-Bromofluorobenzene	0.376	0.417		10.9	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations APPROVED
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:49:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	286762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	660595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	665967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	321294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	255006	68.976	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 137.960%			
35) Dibromofluoromethane	7.904	113	227087	57.416	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 114.840%			
50) Toluene-d8	10.331	98	883087	58.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 116.400%			
62) 4-Bromofluorobenzene	12.617	95	564943	98.562	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 197.120%#			
Target Compounds						Qvalue
8) Diethyl Ether	3.728	74	24930	12.357	ug/l	99
11) Tert butyl alcohol	5.210	59	9738m	30.461	ug/l	
16) Acetone	4.167	43	33721	30.487	ug/l	99
17) Carbon Disulfide	4.423	76	67290	7.386	ug/l	99
20) Methylene Chloride	4.960	84	49923	12.621	ug/l	97
22) Diisopropyl ether	6.344	45	195313	16.184	ug/l	90
29) Tetrahydrofuran	7.563	42	7498	7.250	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VW032427.D**

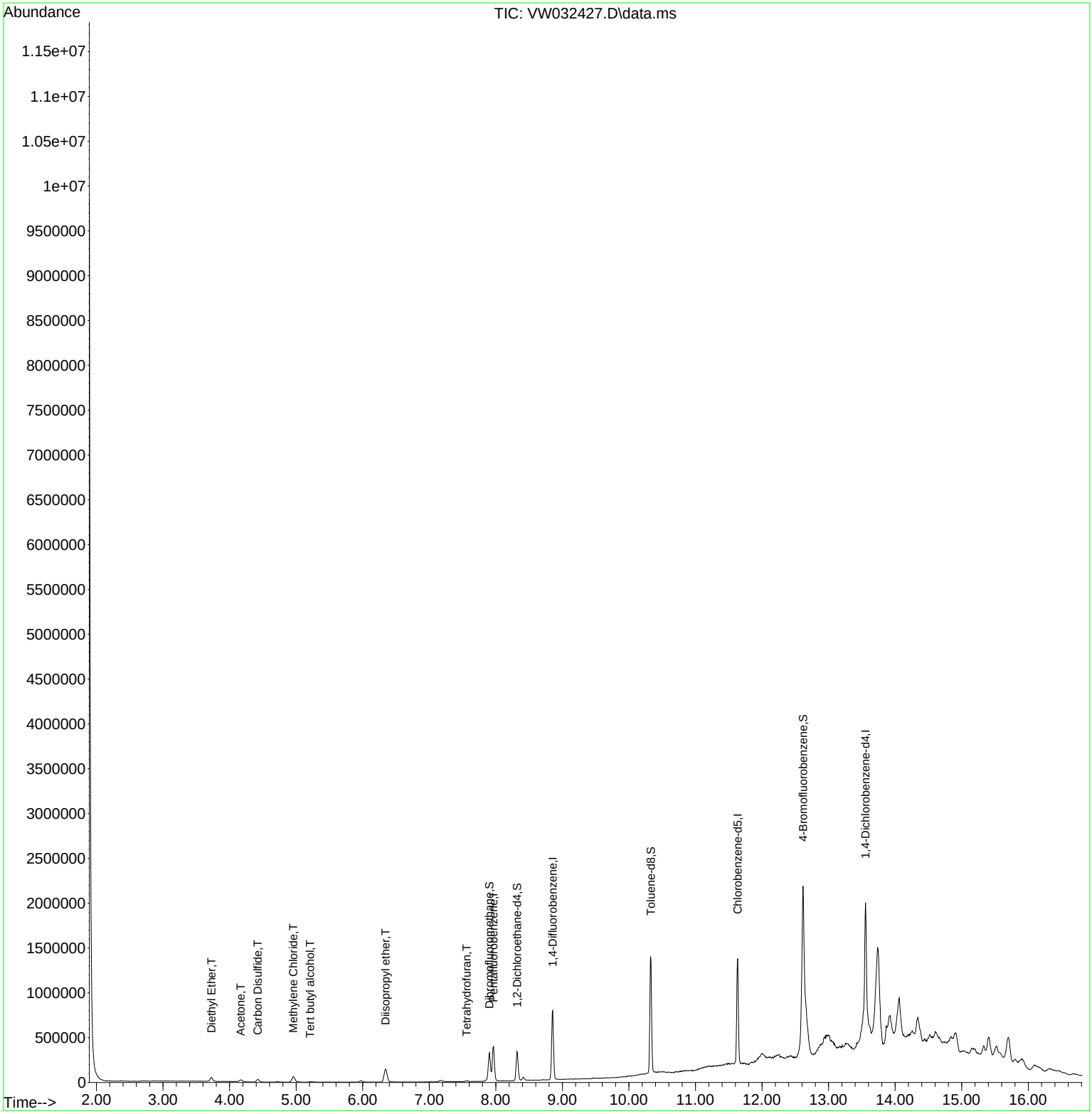
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

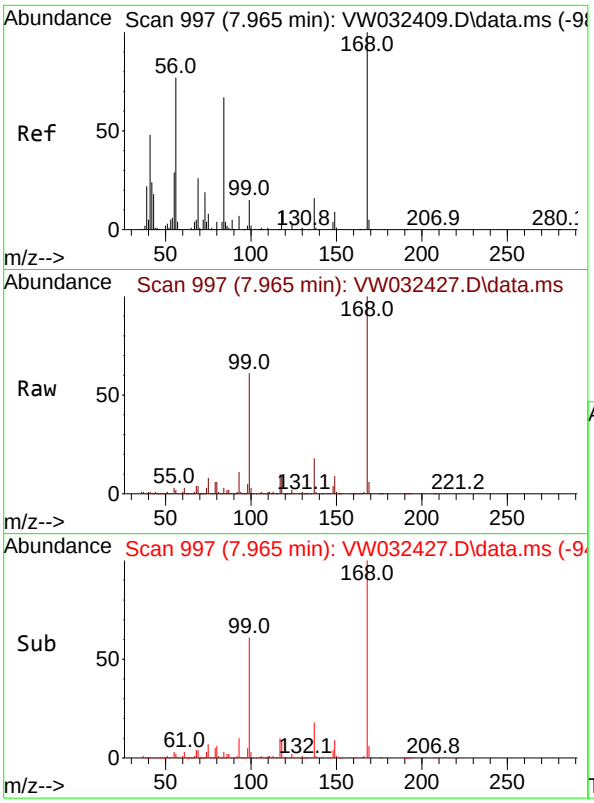
Quant Time: Nov 12 03:49:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

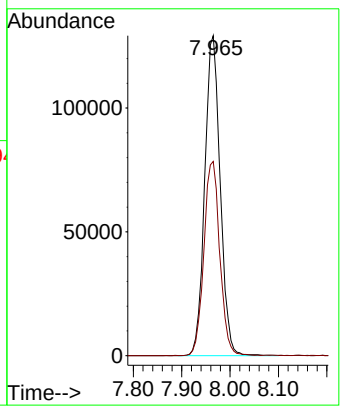
Tgt Ion:168 Resp: 28676

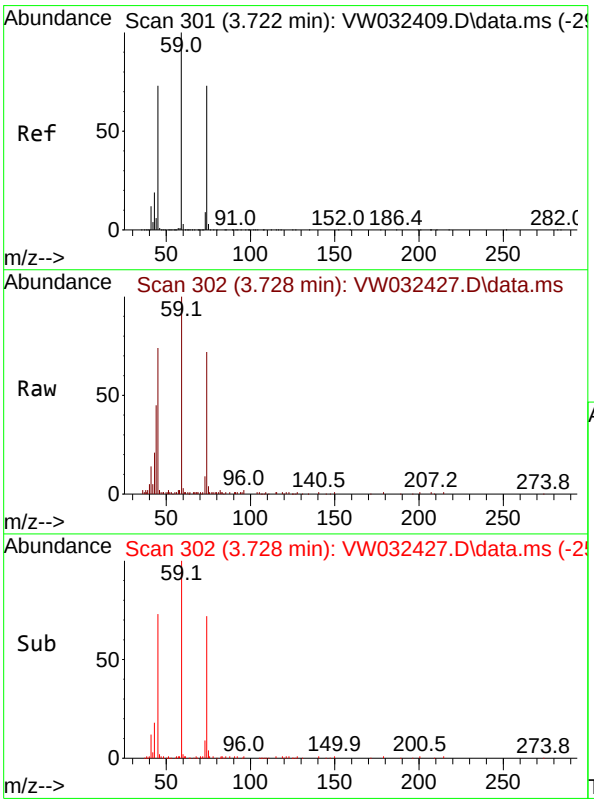
Ion	Ratio	Lower	Upper
168	100		
99	60.7	45.4	68.2

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

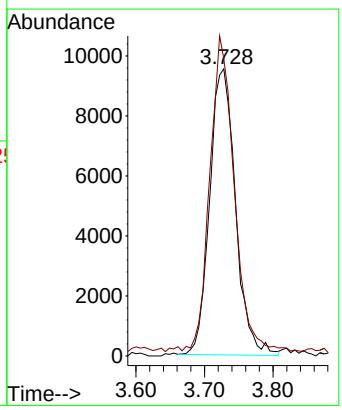


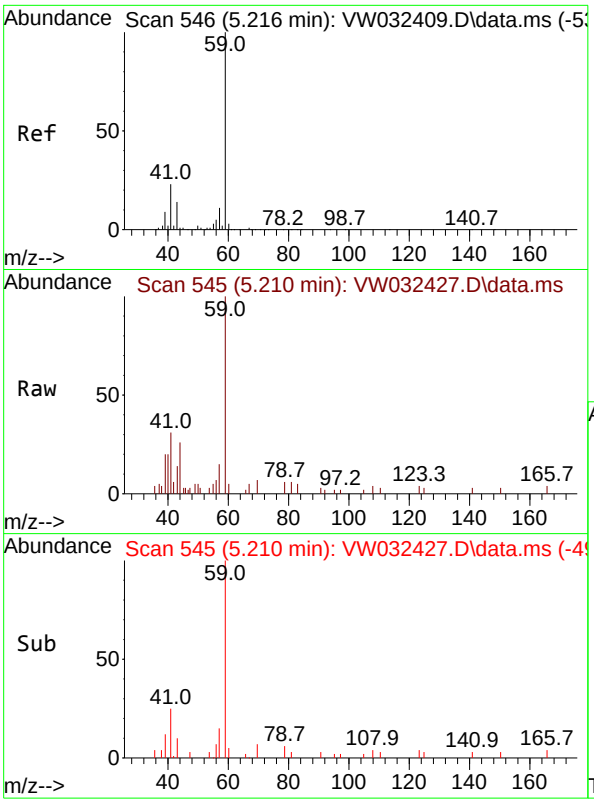


#8
Diethyl Ether
Concen: 12.357 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 74 Resp: 24930

Ion	Ratio	Lower	Upper
74	100		
45	104.2	51.8	155.4

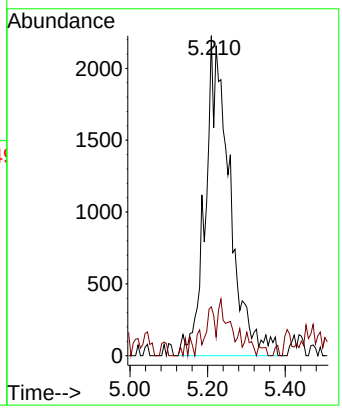




#11
Tert butyl alcohol
Concen: 30.461 ug/l m
RT: 5.210 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 59 Resp: 973

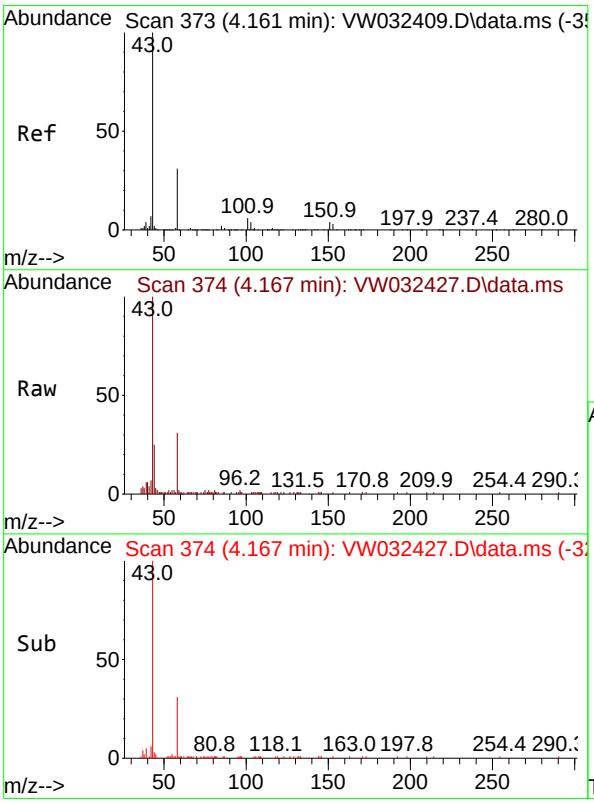
Ion	Ratio	Lower	Upper
59	100		
57	3.6	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

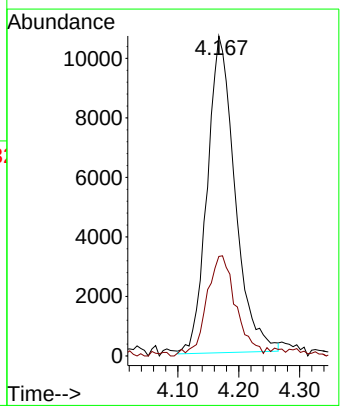
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

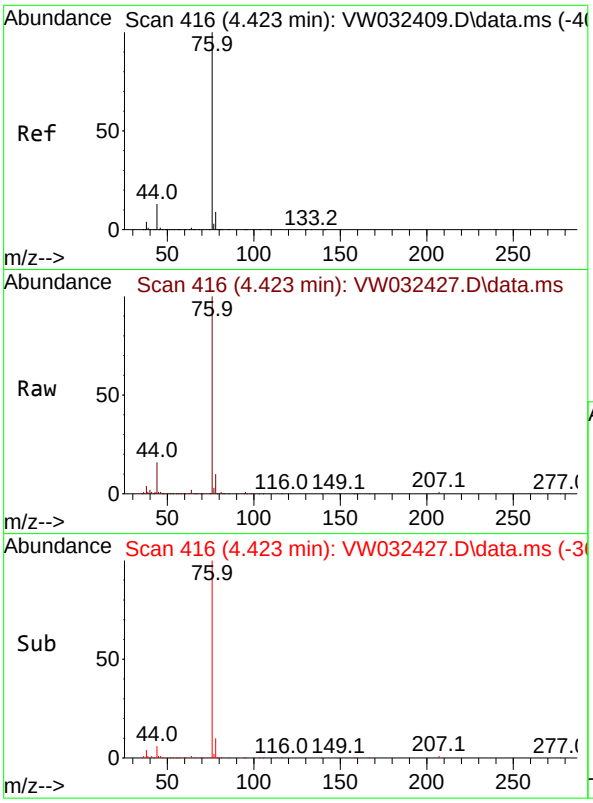


#16
Acetone
Concen: 30.487 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 43 Resp: 33721

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.8	37.2

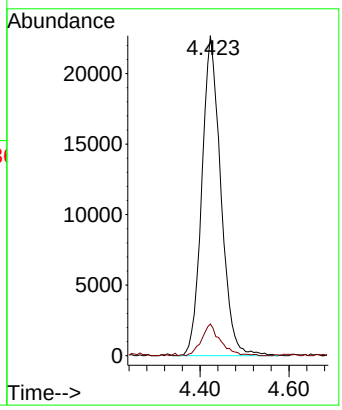




#17
Carbon Disulfide
Concen: 7.386 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 76 Resp: 6729

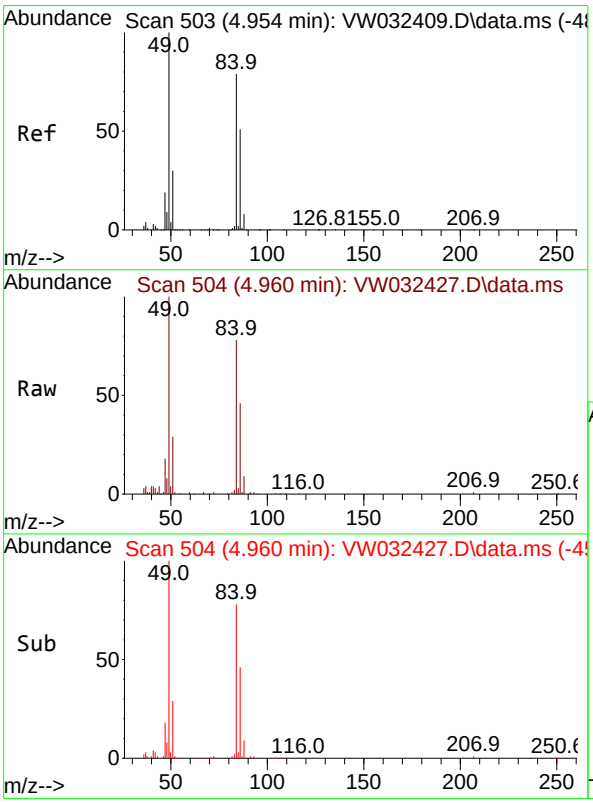
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.6	11.4



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

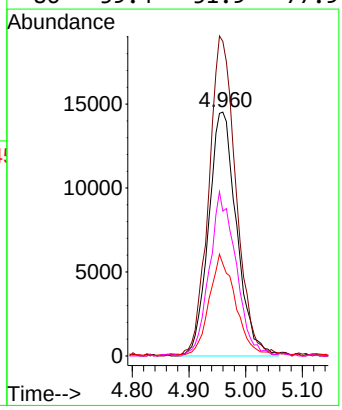
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

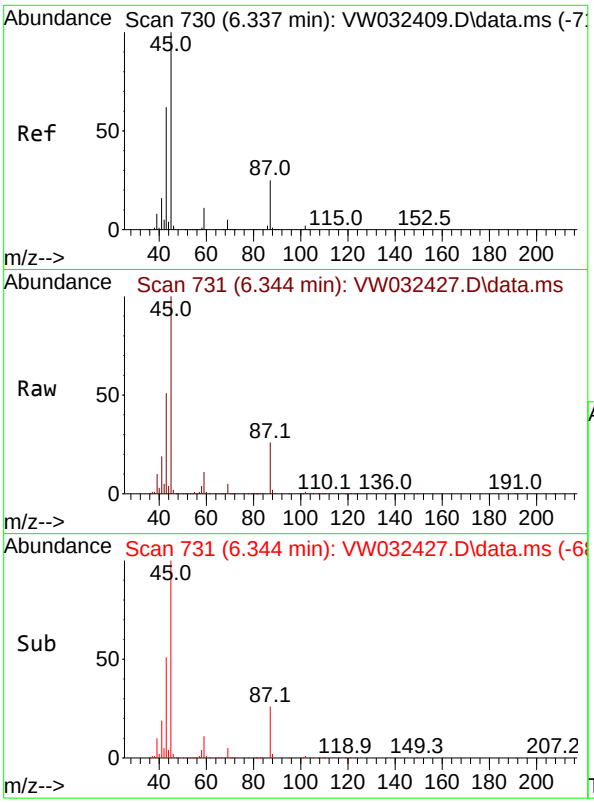


#20
Methylene Chloride
Concen: 12.621 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 84 Resp: 49923

Ion	Ratio	Lower	Upper
84	100		
49	128.3	101.5	152.3
51	37.2	30.6	46.0
86	59.4	51.9	77.9

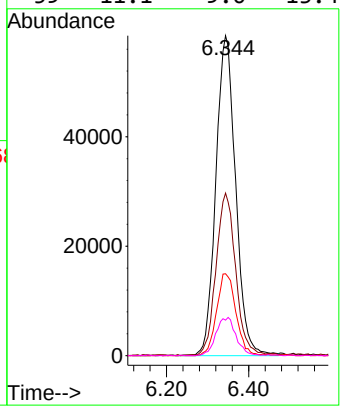




#22
Diisopropyl ether
Concen: 16.184 ug/l
RT: 6.344 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 45 Resp: 19531

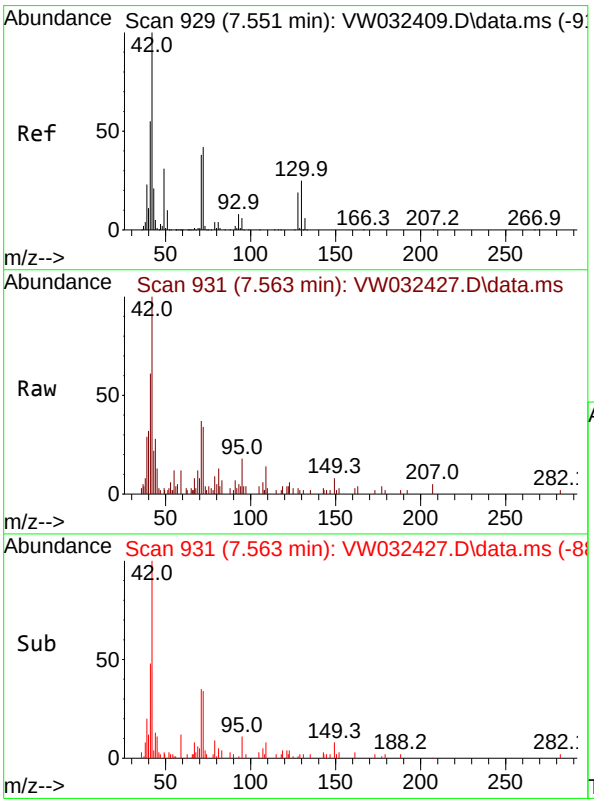
Ion	Ratio	Lower	Upper
45	100		
43	50.5	49.4	74.2
87	25.6	20.1	30.1
59	11.1	9.0	13.4



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

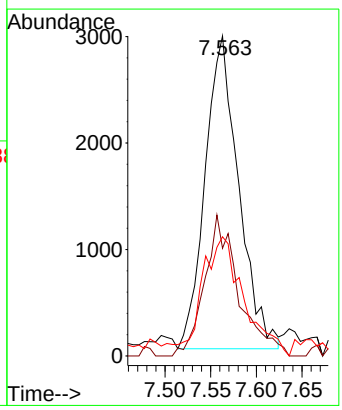
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

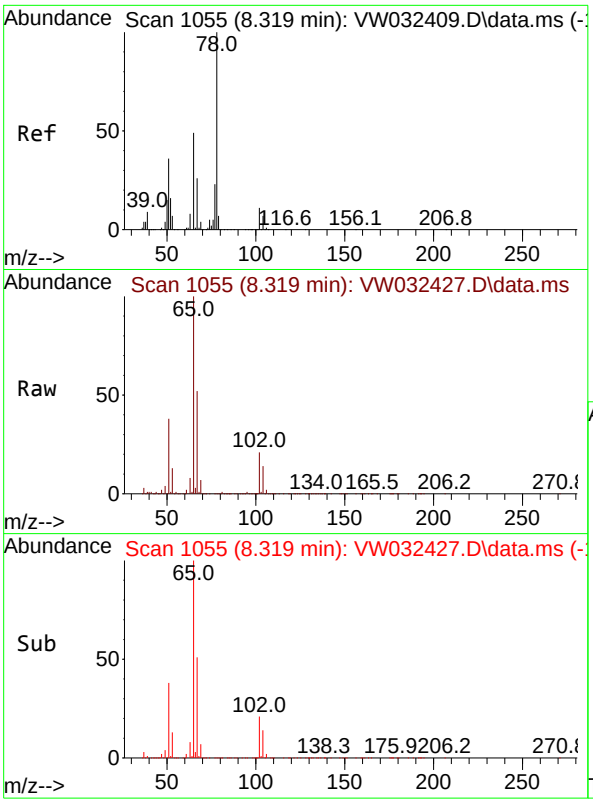


#29
Tetrahydrofuran
Concen: 7.250 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 42 Resp: 7498

Ion	Ratio	Lower	Upper
42	100		
72	45.9	33.6	50.4
71	46.8	31.4	47.0

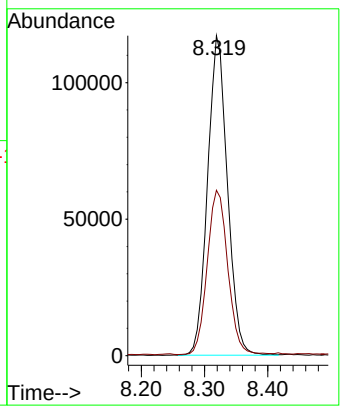




#33
1,2-Dichloroethane-d4
Concen: 68.976 ug/l
RT: 8.319 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 65 Resp: 25500(

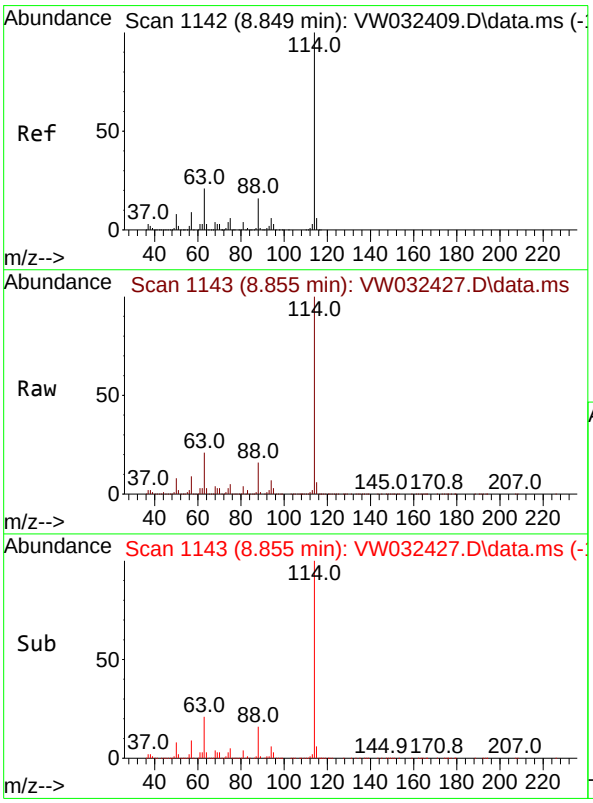
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.8



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

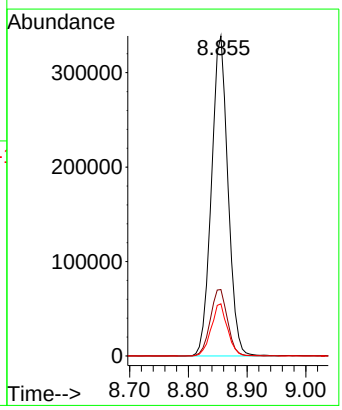
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

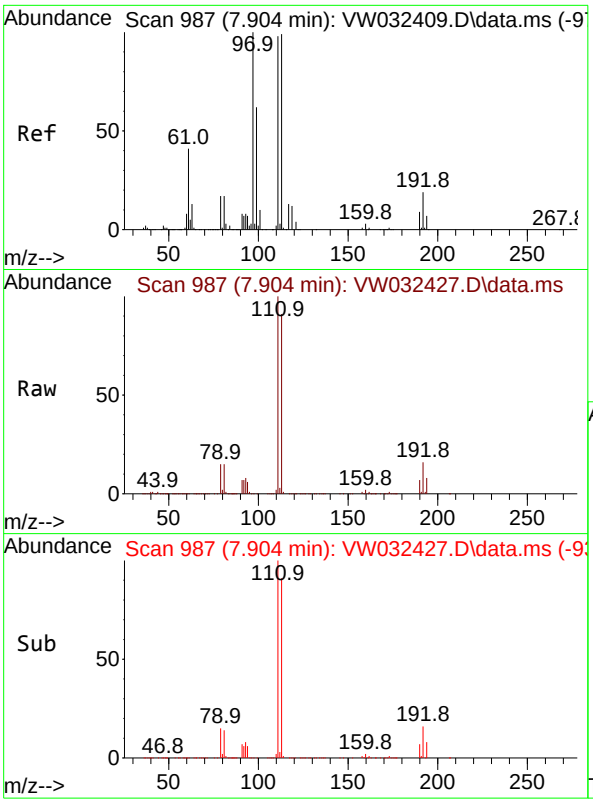


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:114 Resp: 660595

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.8
88	16.3	0.0	32.6

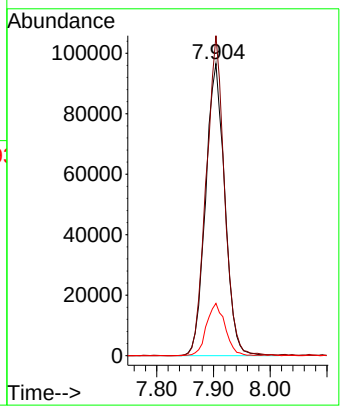




#35
Dibromofluoromethane
Concen: 57.416 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

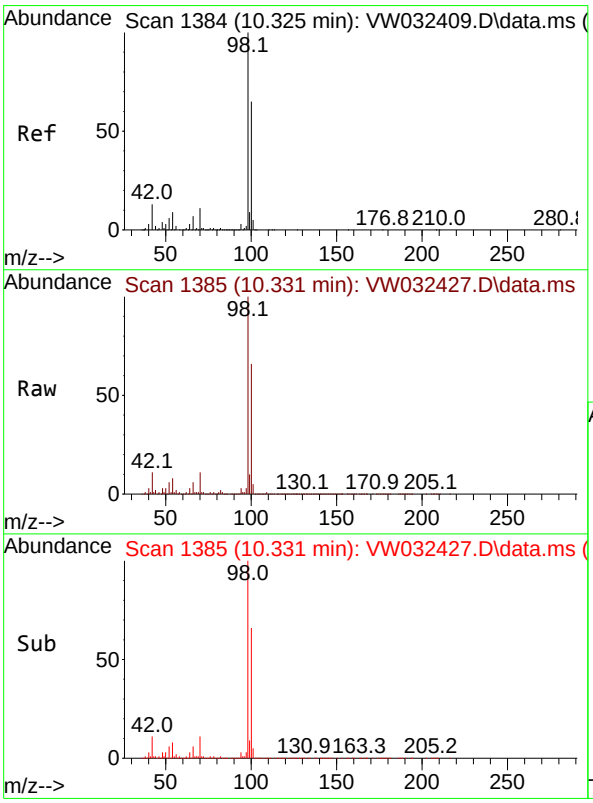
Tgt Ion:113 Resp: 22708

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.1	124.7
192	17.5	13.4	20.2



Instrument :
MSVOA_W
ClientSampleId :
SED-1

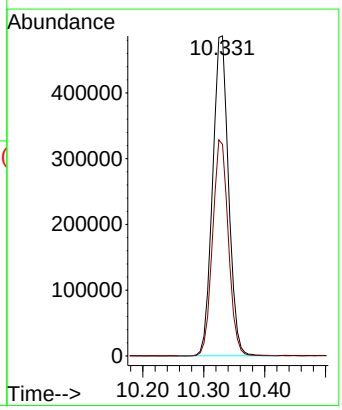
Manual Integrations
APPROVED
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

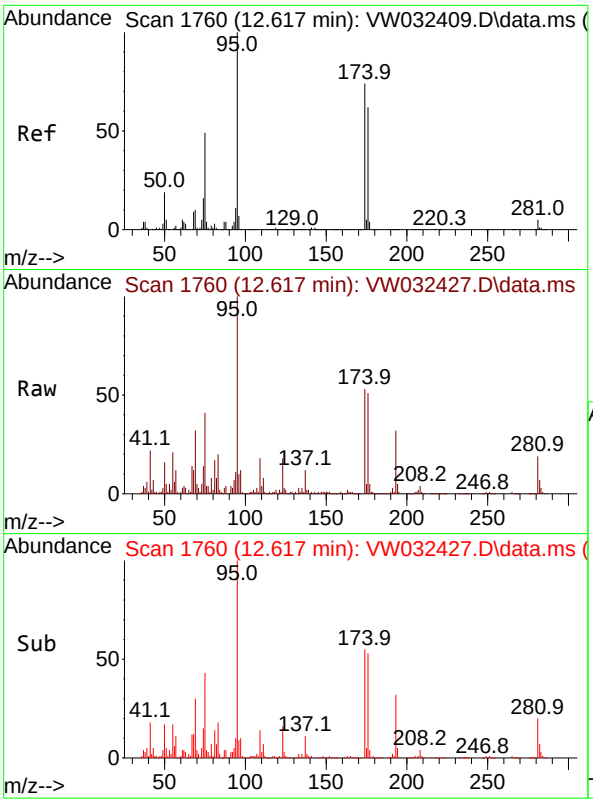


#50
Toluene-d8
Concen: 58.200 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 98 Resp: 883087

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9

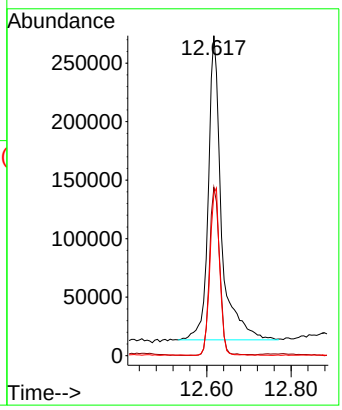




#62
4-Bromofluorobenzene
Concen: 98.562 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 95 Resp: 56494

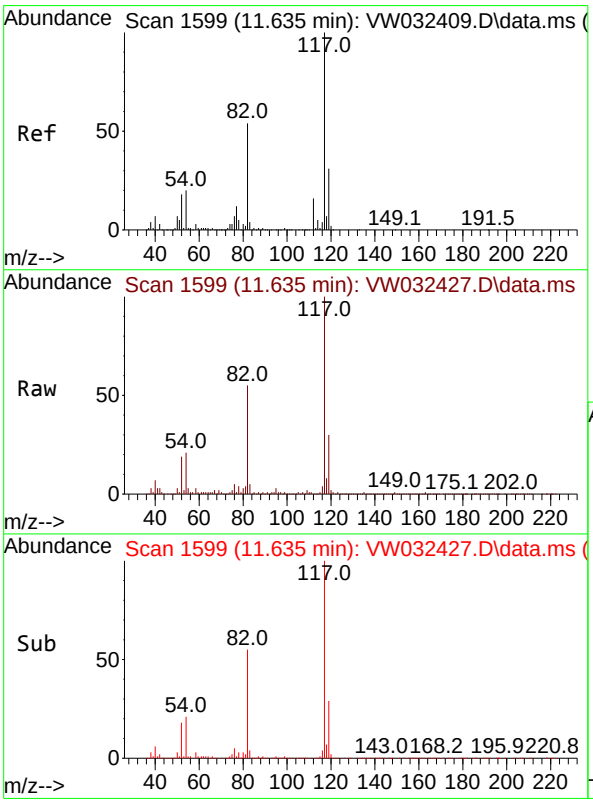
Ion	Ratio	Lower	Upper
95	100		
174	42.9	0.0	135.4
176	41.0	0.0	131.8



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

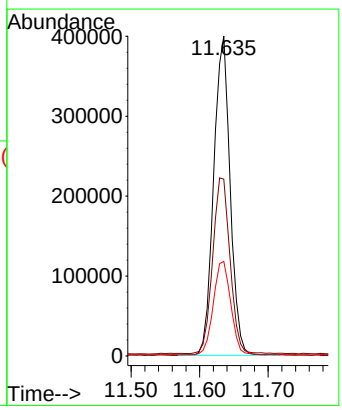
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

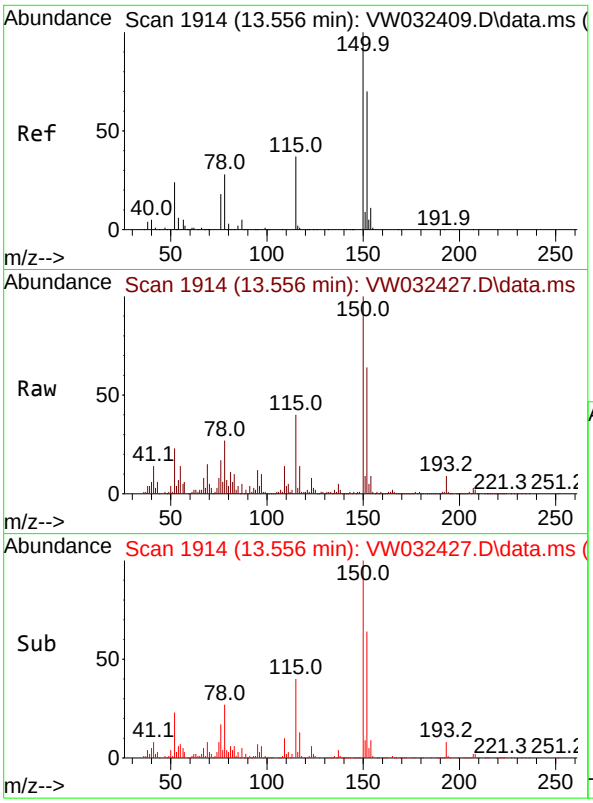


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:117 Resp: 665967

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	29.2	25.0	37.6

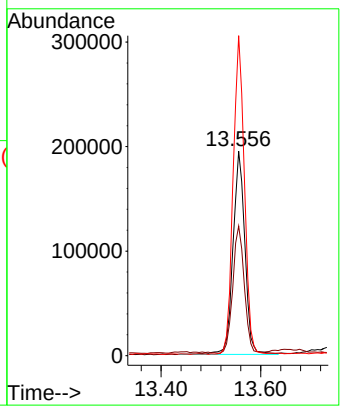




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:152 Resp: 32129

Ion	Ratio	Lower	Upper
152	100		
115	60.3	32.8	98.3
150	148.6	0.0	356.6



Instrument :
MSVOA_W
ClientSampleId :
SED-1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Sample Results: **VW032427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.728	295	302	315	rVB3	43916	119603	1.95%	0.497%
2	4.954	494	503	517	rBV	59173	196390	3.20%	0.815%
3	6.344	717	731	748	rBV	143888	484334	7.90%	2.011%
4	7.904	973	987	992	rBV	313781	772014	12.59%	3.205%
5	7.965	992	997	1011	rVB	385691	854518	13.93%	3.548%
6	8.319	1047	1055	1064	rBV	321771	706945	11.53%	2.935%
7	8.855	1135	1143	1152	rBV	769522	1541425	25.13%	6.400%
8	10.325	1378	1384	1393	rBV	1298276	2353096	38.37%	9.770%
9	11.635	1592	1599	1606	rVB	1171342	2051647	33.45%	8.518%
10	12.617	1752	1760	1781	rVB4	1871814	6132679	100.00%	25.462%
11	13.556	1909	1914	1928	rVB	1455399	3093585	50.44%	12.844%
12	13.739	1936	1944	1957	rVB4	1071856	4217443	68.77%	17.510%
13	13.867	1962	1965	1966	rBV	148110	157033	2.56%	0.652%
14	15.409	2213	2218	2227	rVB5	198433	556386	9.07%	2.310%
15	15.702	2261	2266	2277	rVB3	270144	848720	13.84%	3.524%

Sum of corrected areas: 24085818

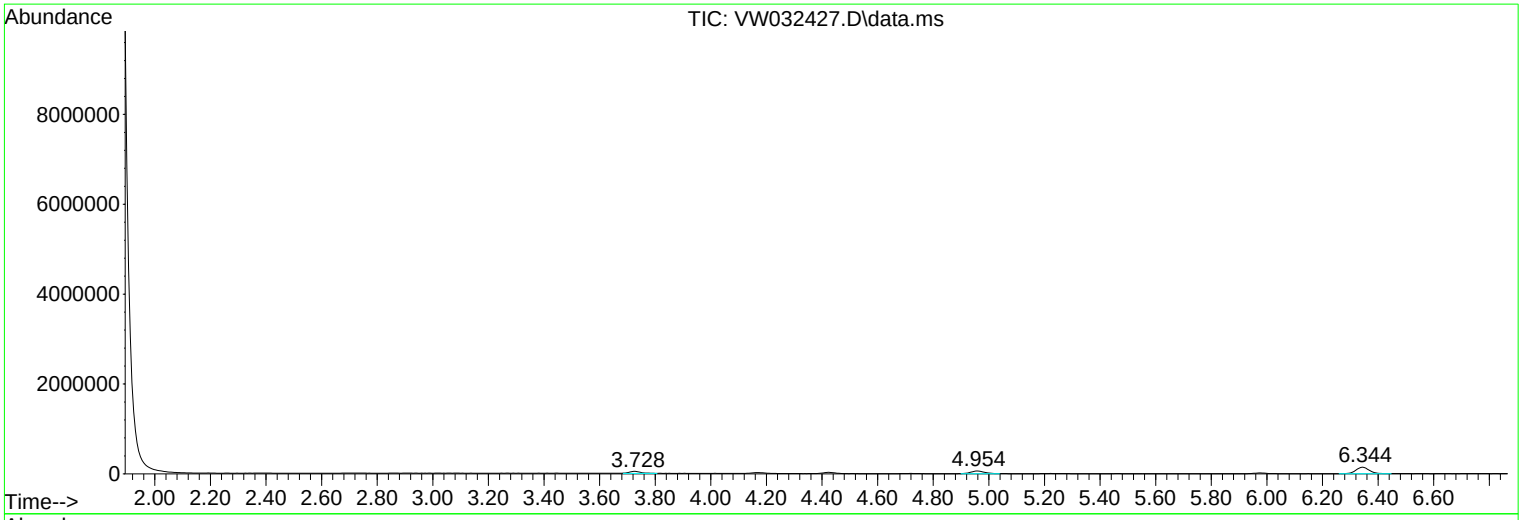
Sample Results: **VW032427.D**

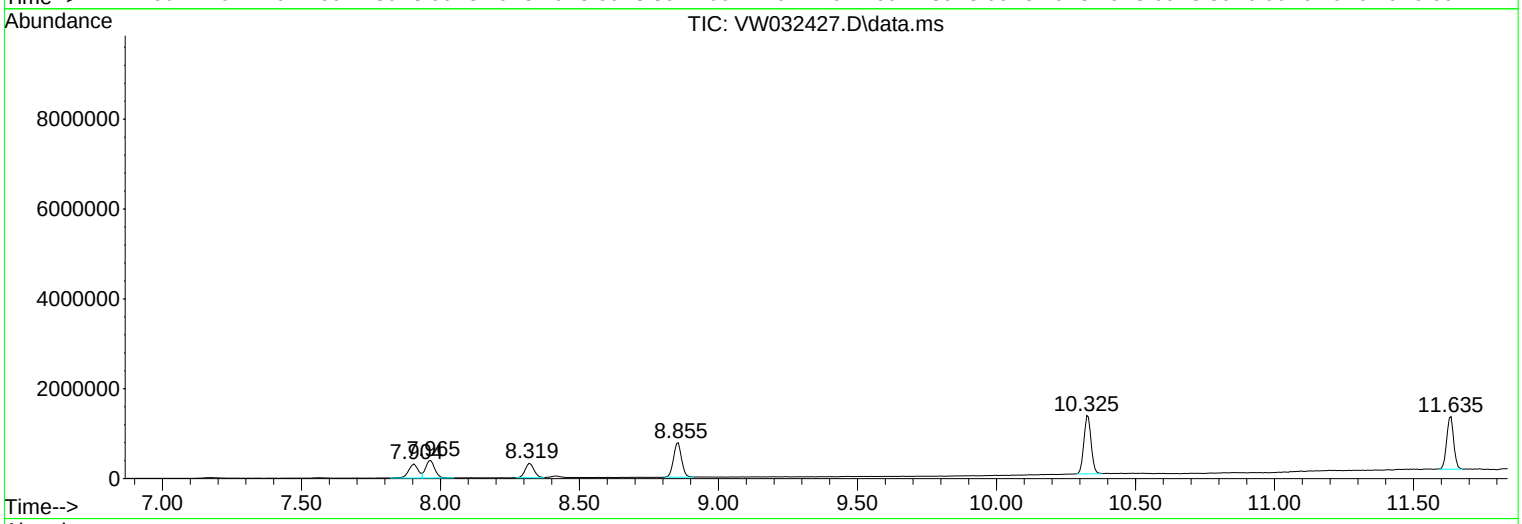
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

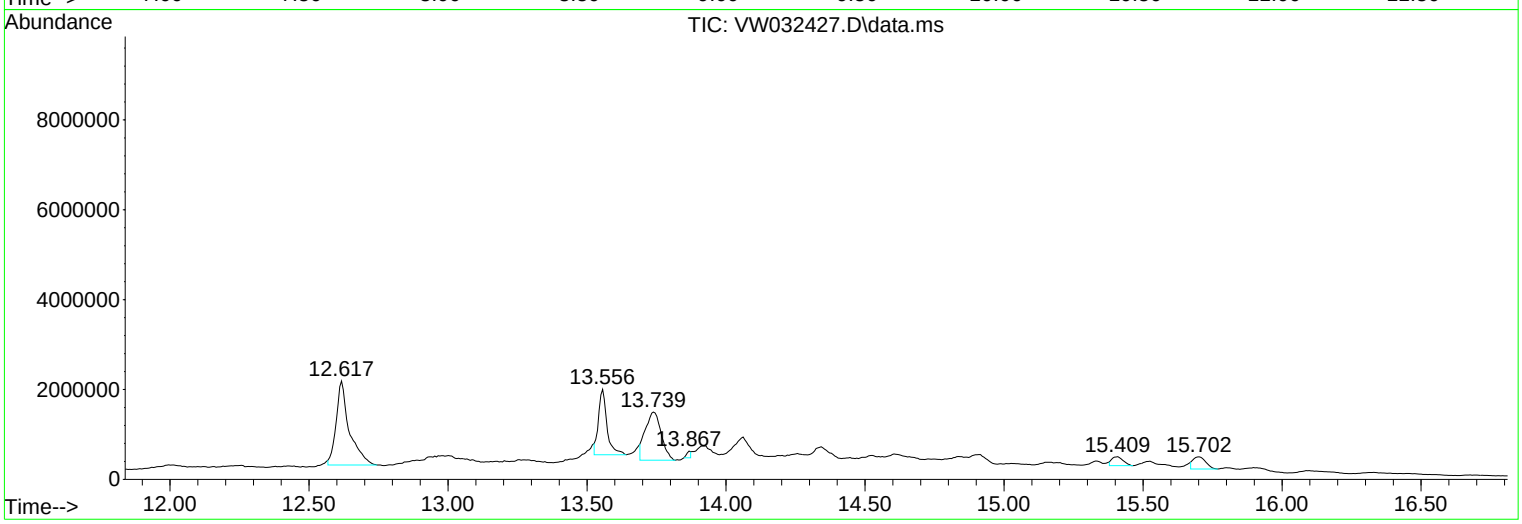
Instrument :
MSVOA_W
ClientSampleId :
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VW032427.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023759.D
Acq On : 12 Nov 2025 13:14
Operator : SY/MD
Sample : Q3586-01RE
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 04:50:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	90723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	111445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	77890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	23500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28254	36.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.020%		
35) Dibromofluoromethane	7.634	113	32559	46.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.500%		
50) Toluene-d8	10.109	98	127782	49.254	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.500%		
62) 4-Bromofluorobenzene	12.408	95	28205	33.618	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.240%		
Target Compounds						Qvalue
8) Diethyl Ether	3.446	74	1681	4.104	ug/l	98
16) Acetone	3.854	43	2221m	11.546	ug/l	
17) Carbon Disulfide	4.110	76	8587	3.452	ug/l #	95
20) Methylene Chloride	4.616	84	4592	4.945	ug/l	94
22) Diisopropyl ether	6.018	45	8777	3.992	ug/l #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023759.D
Acq On : 12 Nov 2025 13:14
Operator : SY/MD
Sample : Q3586-01RE
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 04:50:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
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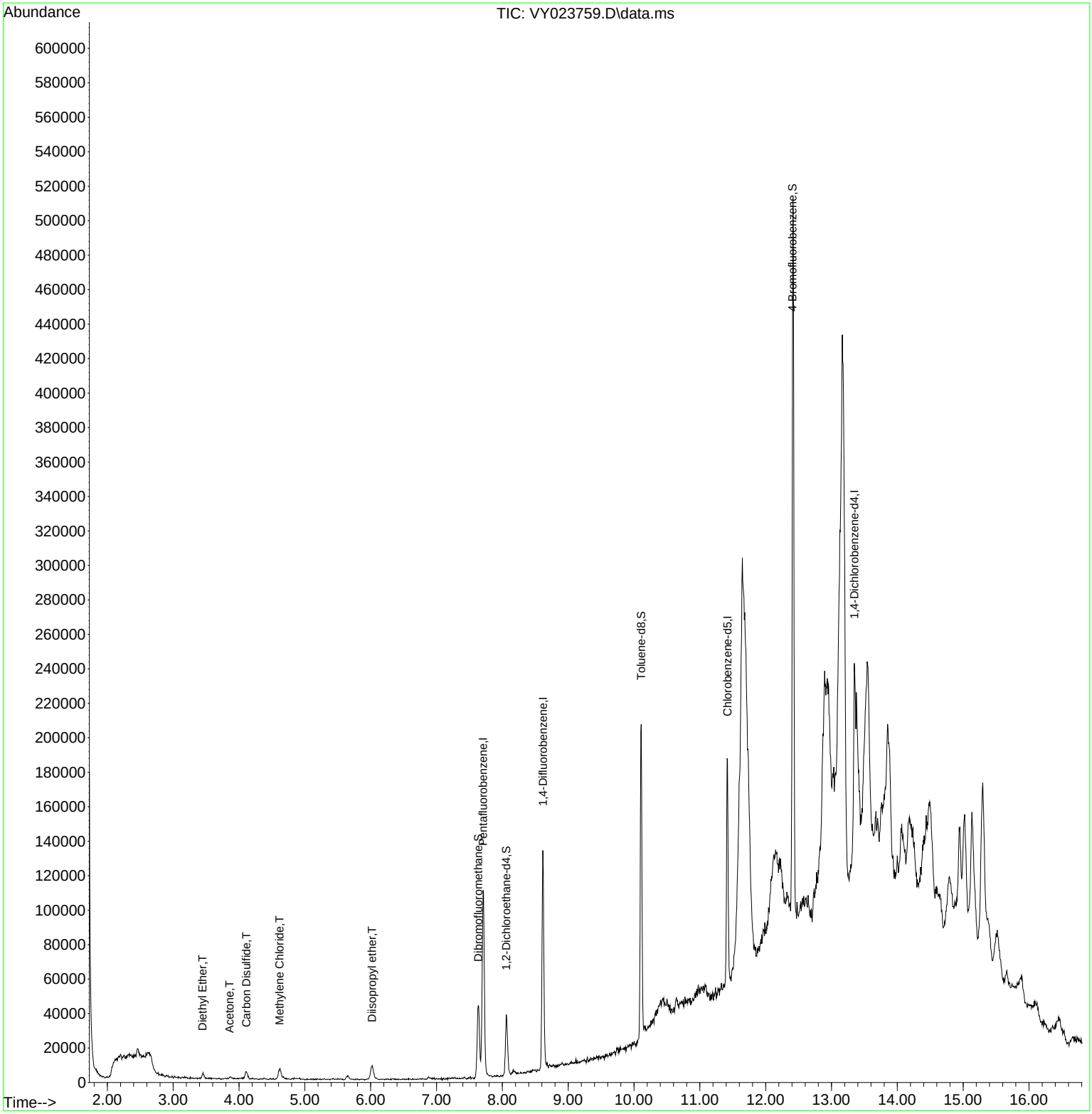
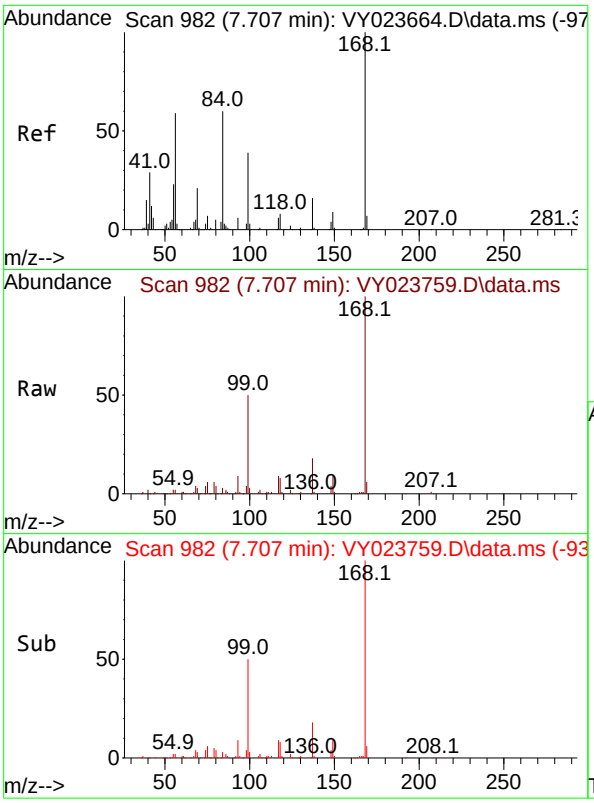




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

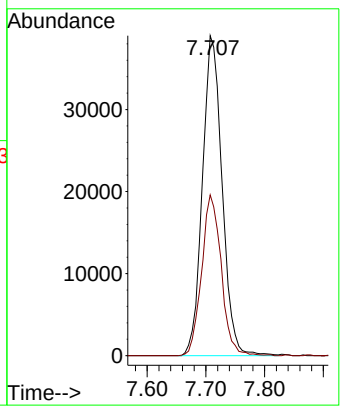
Tgt Ion:168 Resp: 9072

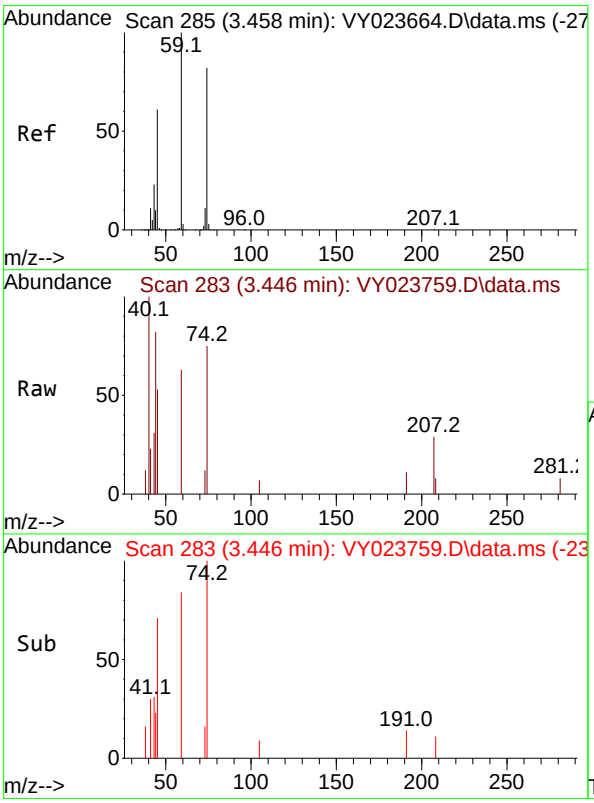
Ion	Ratio	Lower	Upper
168	100		
99	50.3	41.0	61.4

Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

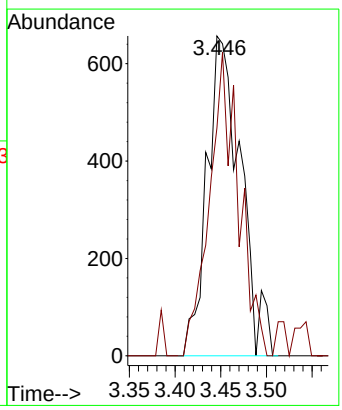


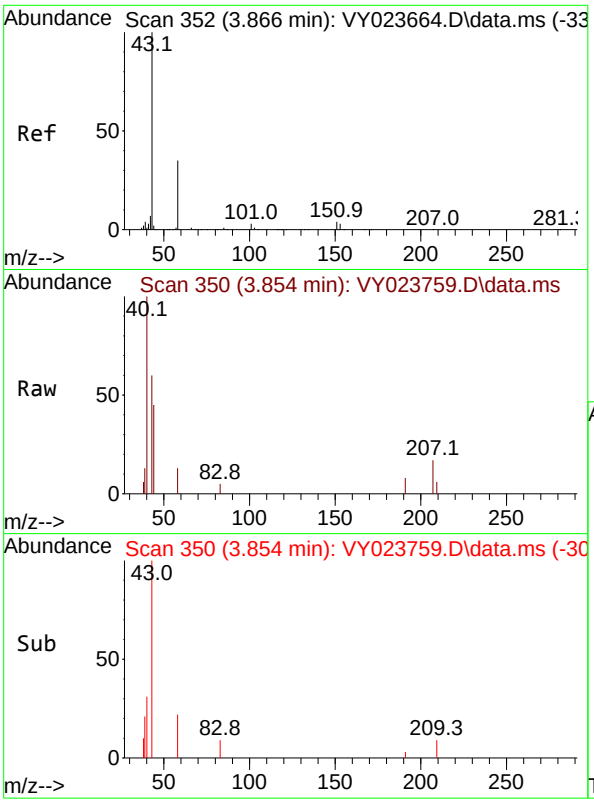


#8
Diethyl Ether
Concen: 4.104 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.012 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 74 Resp: 1681

Ion	Ratio	Lower	Upper
74	100		
45	83.0	40.6	121.7

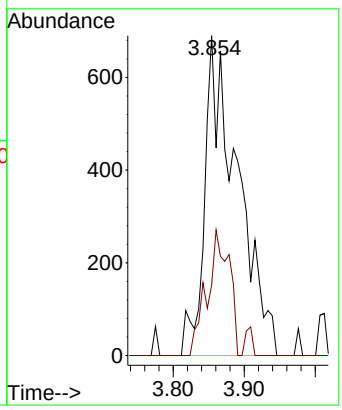




#16
Acetone
Concen: 11.546 ug/l m
RT: 3.854 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 43 Resp: 222

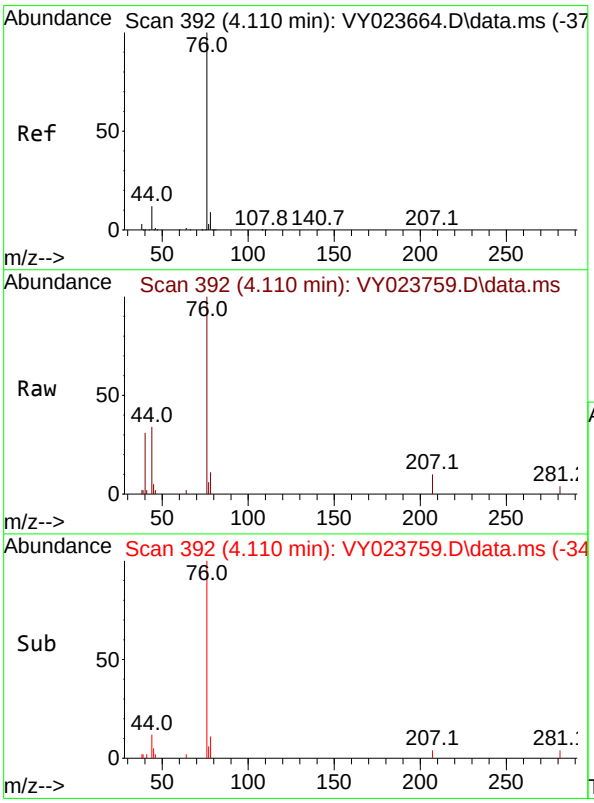
Ion	Ratio	Lower	Upper
43	100		
58	22.0	28.2	42.4#



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

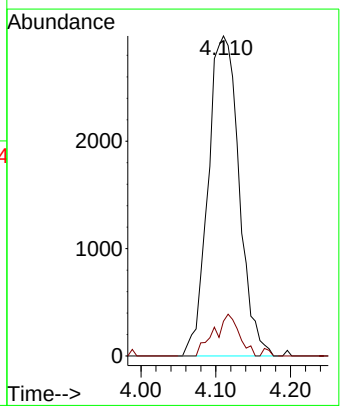
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

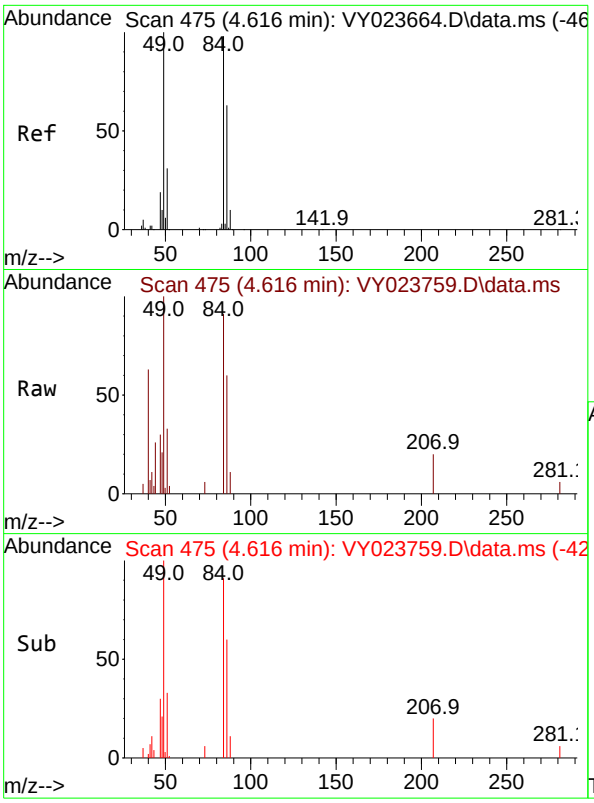


#17
Carbon Disulfide
Concen: 3.452 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 76 Resp: 8587

Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.1	10.7#

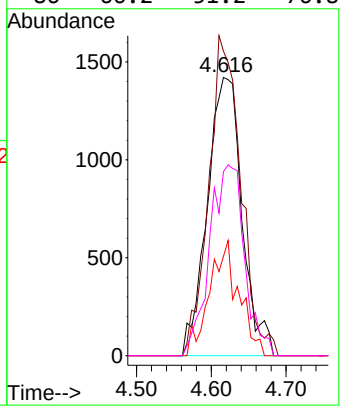




#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 84 Resp: 459

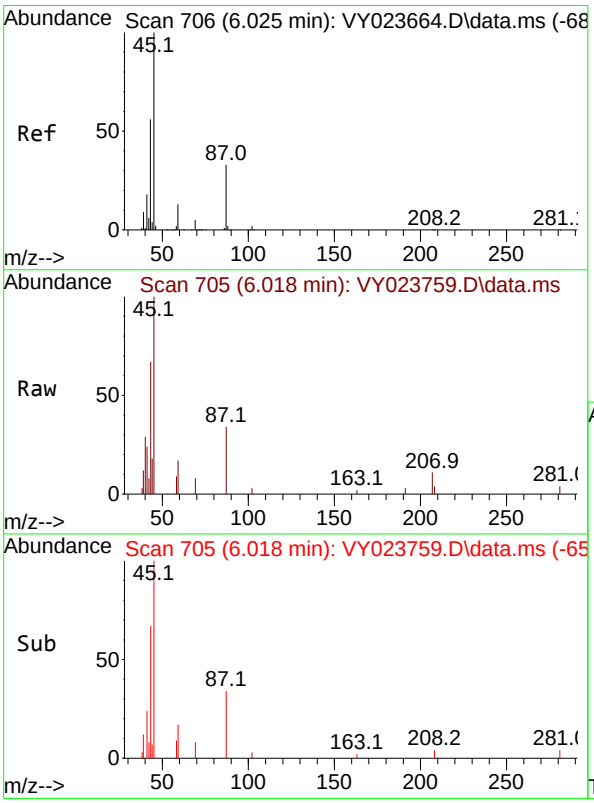
Ion	Ratio	Lower	Upper
84	100		
49	109.4	81.5	122.3
51	35.7	25.5	38.3
86	66.2	51.2	76.8



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

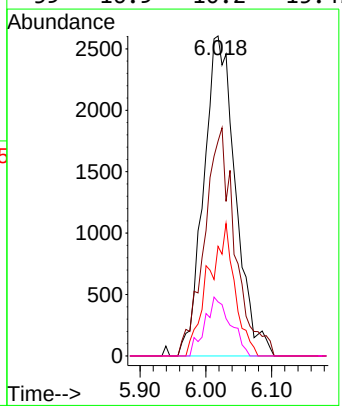
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

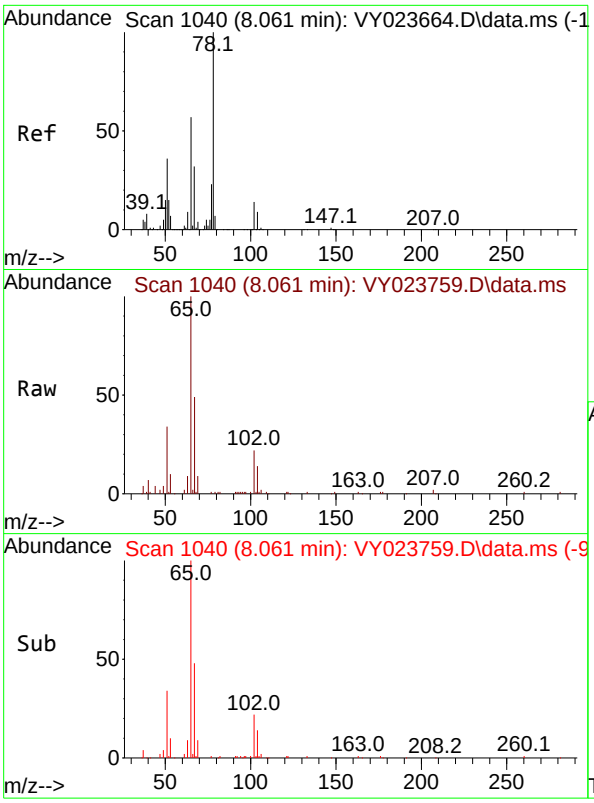


#22
Diisopropyl ether
Concen: 3.992 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 45 Resp: 8777

Ion	Ratio	Lower	Upper
45	100		
43	67.1	44.7	67.1#
87	34.3	27.2	40.8
59	16.9	10.2	15.4#

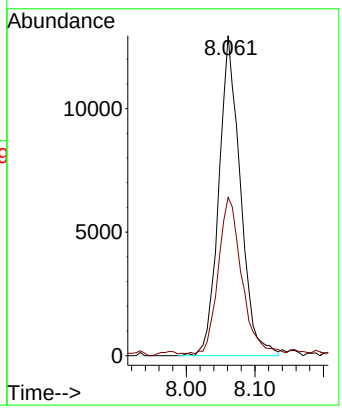




#33
1,2-Dichloroethane-d4
Concen: 36.510 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 65 Resp: 2825

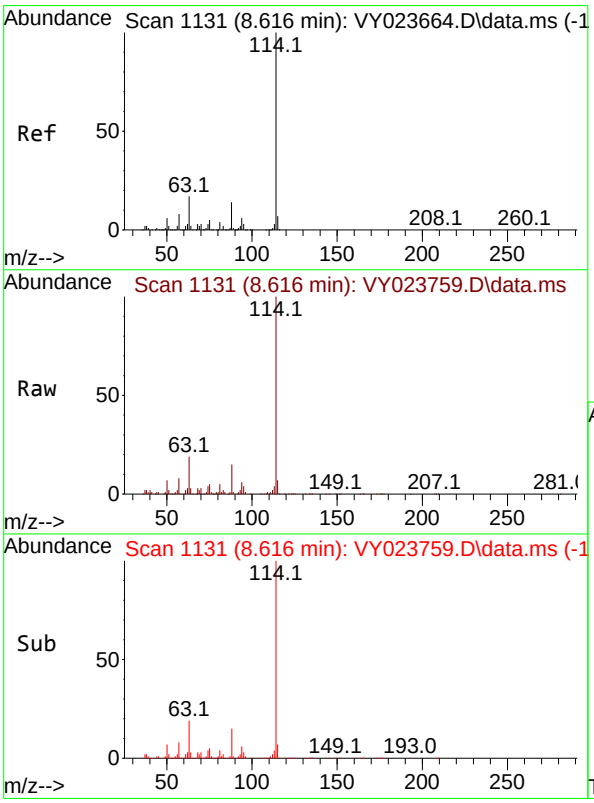
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.4



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

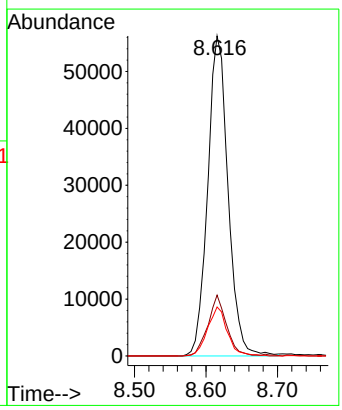
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

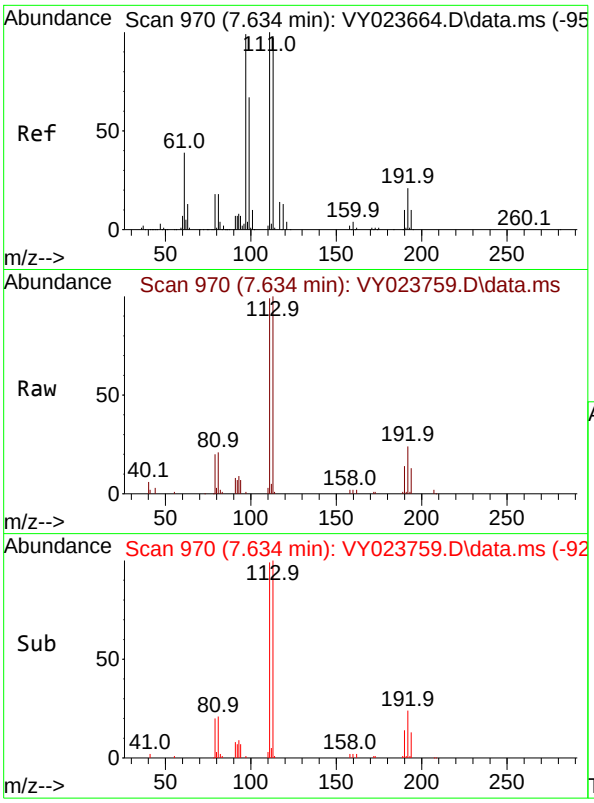


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:114 Resp: 111445

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	33.8
88	15.3	0.0	29.0

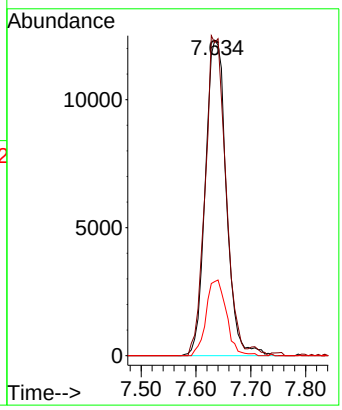




#35
Dibromofluoromethane
Concen: 46.750 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:113 Resp: 3255

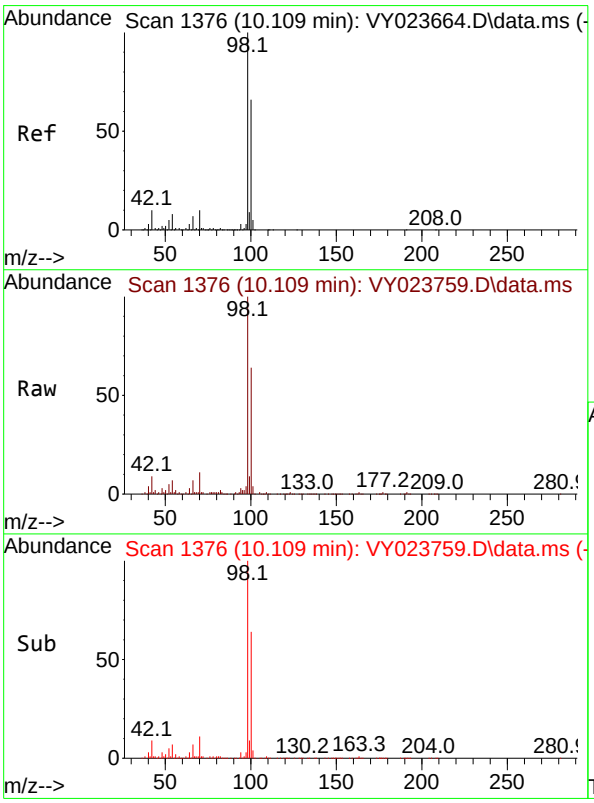
Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.2	123.4
192	23.3	17.3	25.9



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

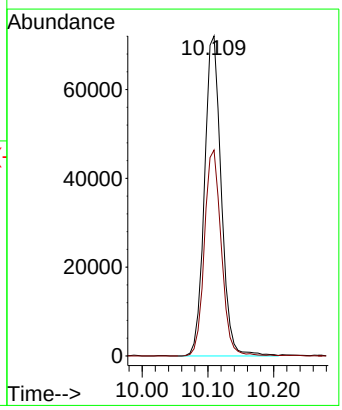
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

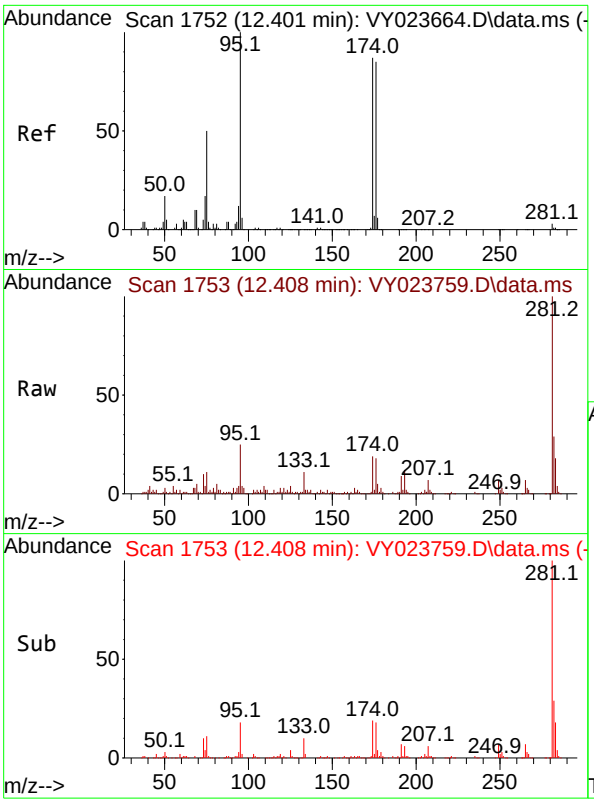


#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 98 Resp: 127782

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

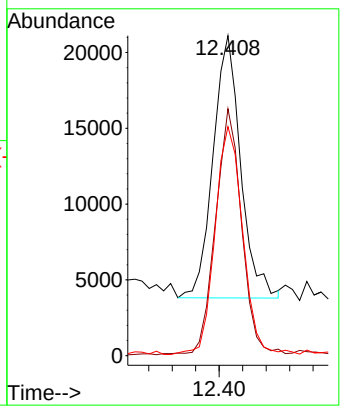




#62
4-Bromofluorobenzene
Concen: 33.618 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

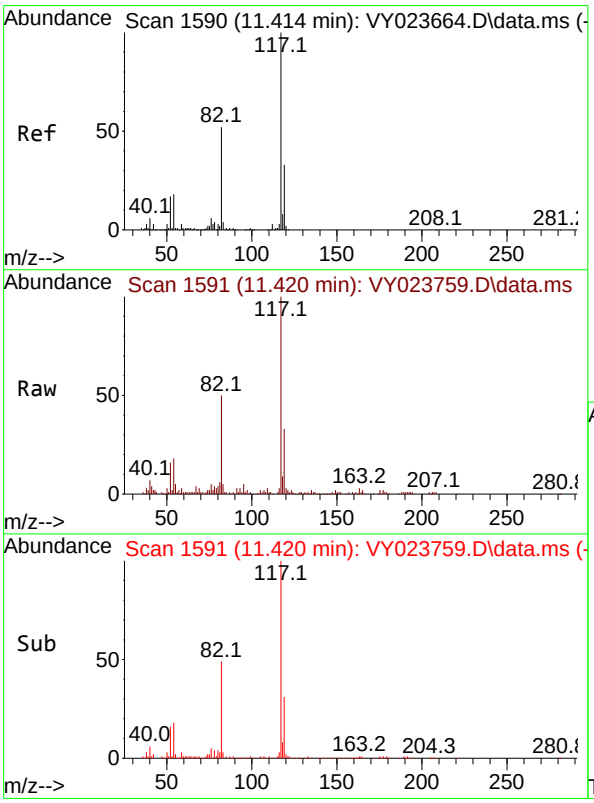
Tgt Ion: 95 Resp: 2820

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	184.8
176	86.9	0.0	181.6



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

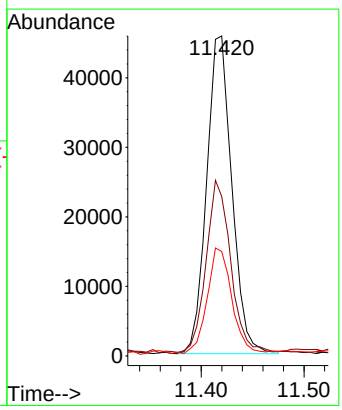
Manual Integrations
APPROVED
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

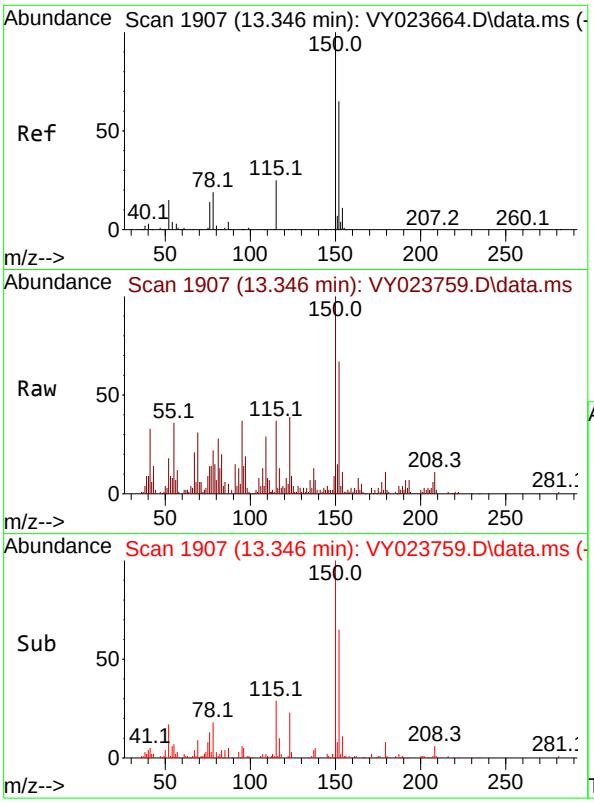


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:117 Resp: 77890

Ion	Ratio	Lower	Upper
117	100		
82	49.1	41.2	61.8
119	31.7	26.2	39.2

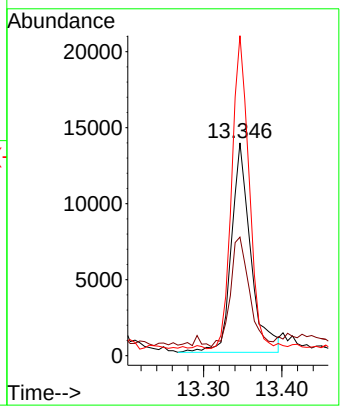




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:152 Resp: 2350

Ion	Ratio	Lower	Upper
152	100		
115	51.2	27.5	82.5
150	134.3	0.0	349.0



Instrument :
MSVOA_Y
ClientSampleId :
SED-1RE

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Time: Nov 12 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

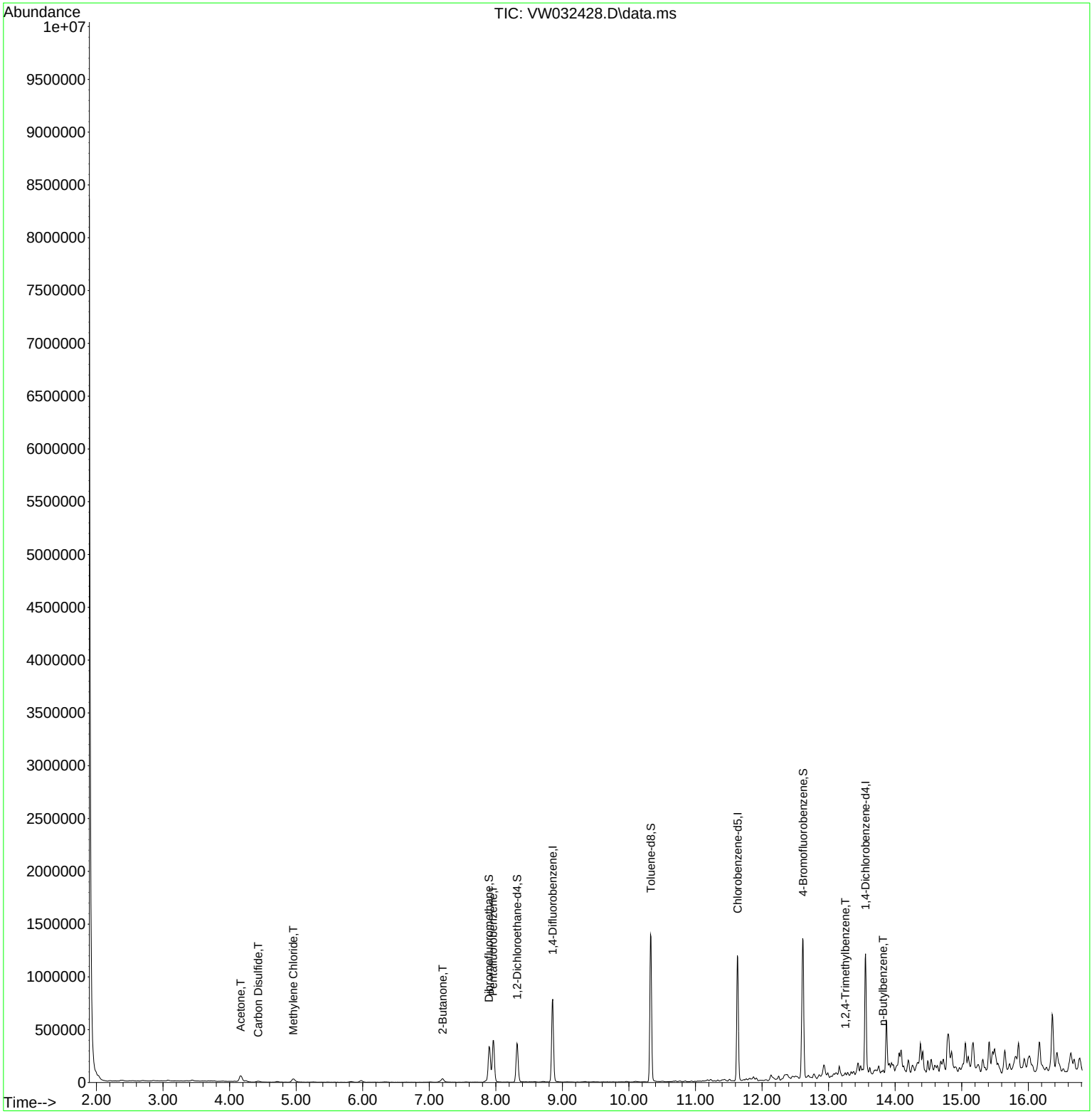
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	283259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	670411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	673114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	275351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	294458	80.632	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 161.260%#			
35) Dibromofluoromethane	7.898	113	259724	64.706	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 129.420%			
50) Toluene-d8	10.331	98	957024	62.150	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 124.300%#			
62) 4-Bromofluorobenzene	12.617	95	393409	67.631	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 135.260%			
Target Compounds						Qvalue
16) Acetone	4.167	43	108416	99.232	ug/l	99
17) Carbon Disulfide	4.429	76	16719	1.858	ug/l	100
20) Methylene Chloride	4.960	84	26320	6.736	ug/l	91
25) 2-Butanone	7.203	43	53672	33.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.251	105	22246	1.311	ug/l	99
89) n-Butylbenzene	13.818	91	17808	1.021	ug/l #	77

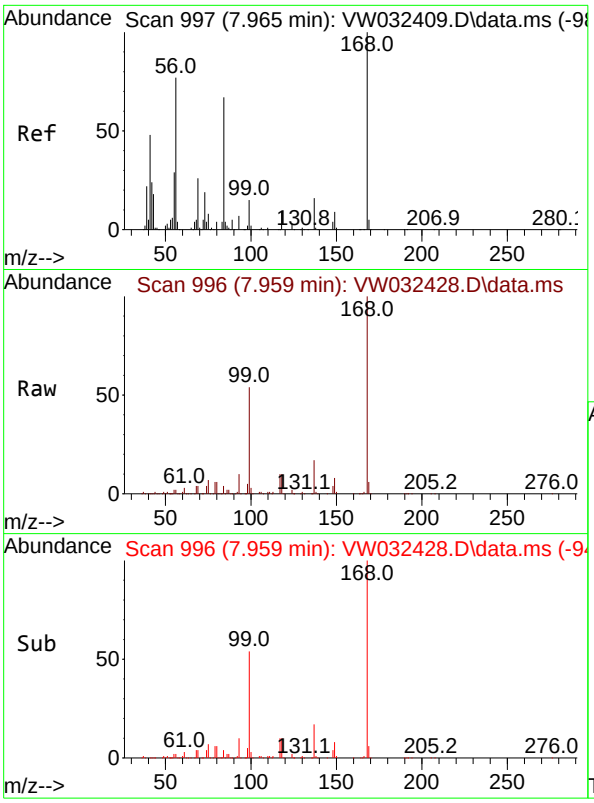
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Time: Nov 12 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



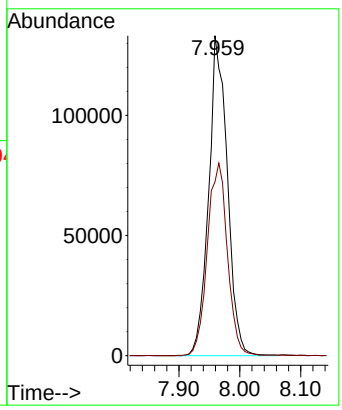


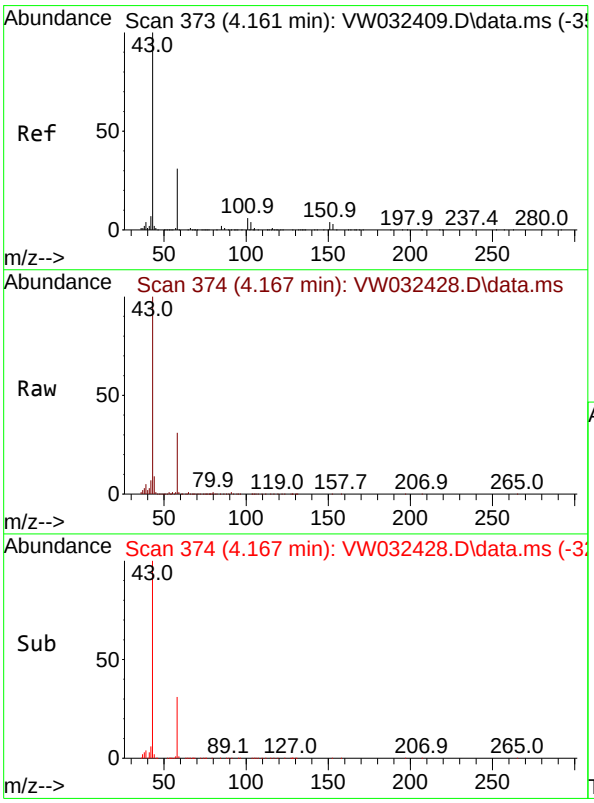
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion:168 Resp: 283259

Ion	Ratio	Lower	Upper
168	100		
99	54.2	45.4	68.2

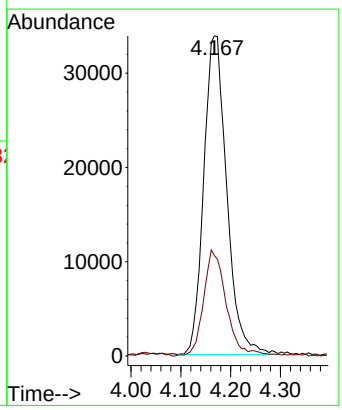


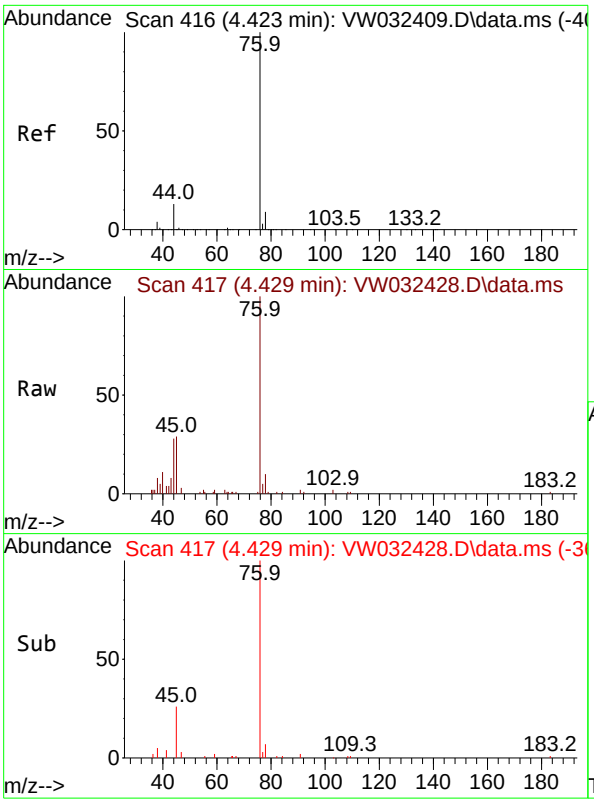


#16
Acetone
Concen: 99.232 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 43 Resp: 108416

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.8	37.2



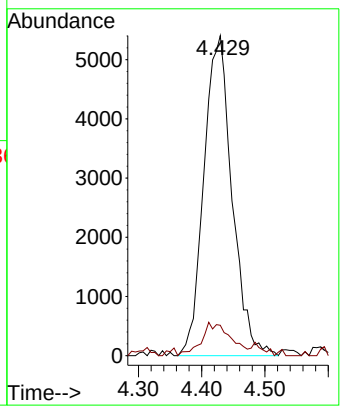


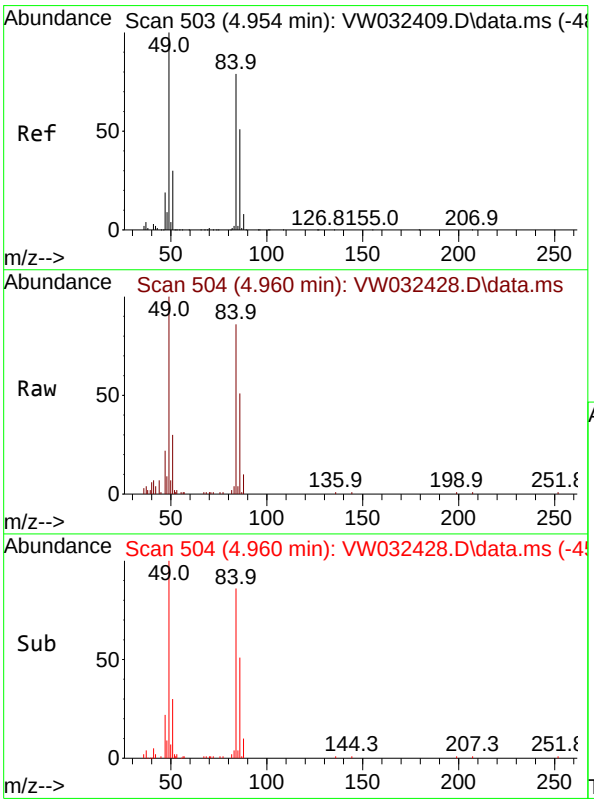
#17
Carbon Disulfide
Concen: 1.858 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion: 76 Resp: 16719

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

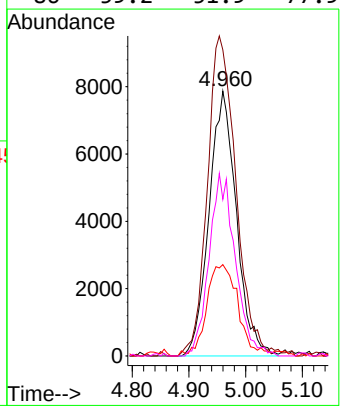


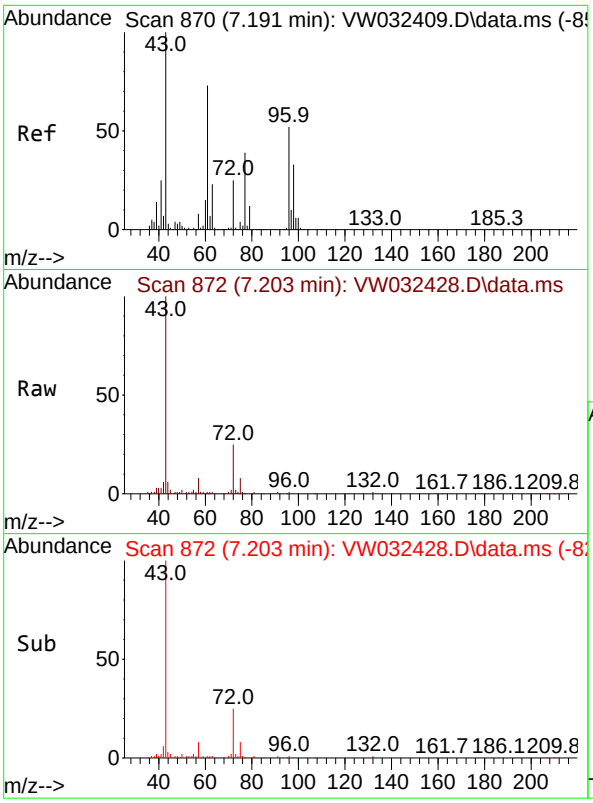


#20
Methylene Chloride
Concen: 6.736 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 84 Resp: 26320

Ion	Ratio	Lower	Upper
84	100		
49	115.6	101.5	152.3
51	34.5	30.6	46.0
86	59.2	51.9	77.9



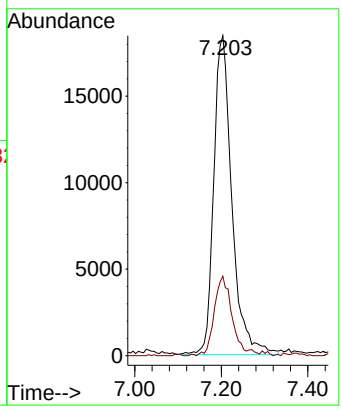


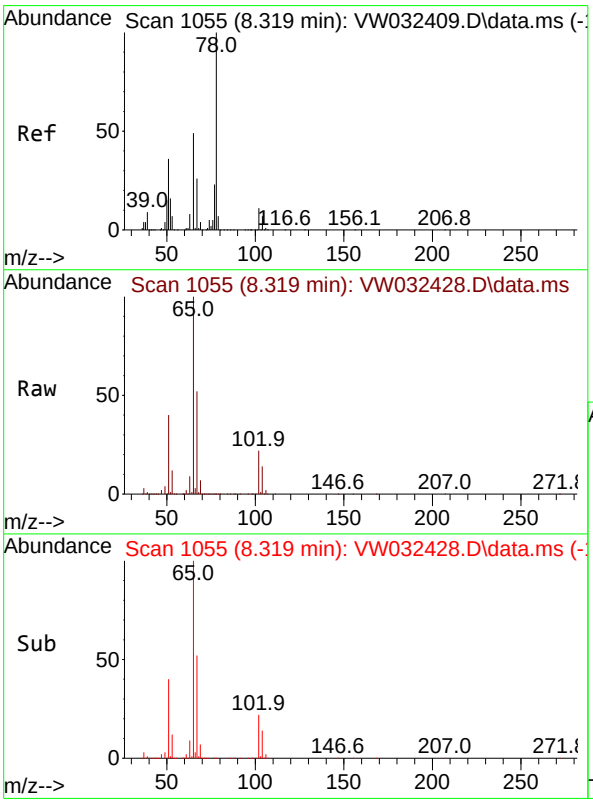
#25
2-Butanone
Concen: 33.345 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion: 43 Resp: 53672

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

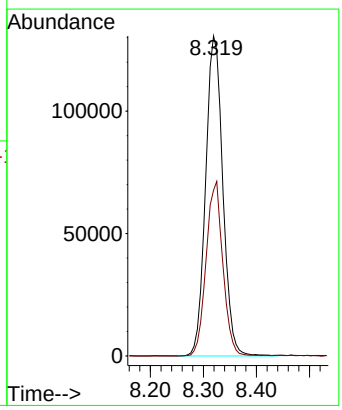


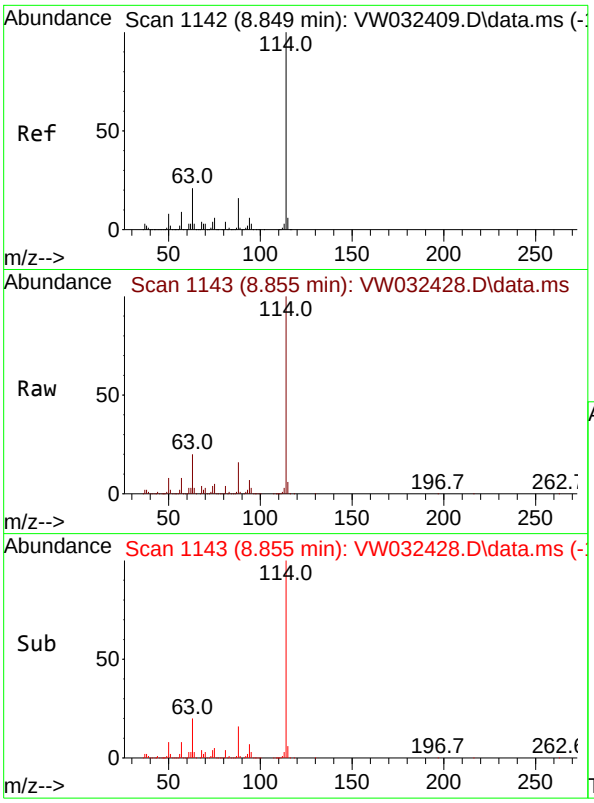


#33
1,2-Dichloroethane-d4
Concen: 80.632 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 65 Resp: 294458

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8



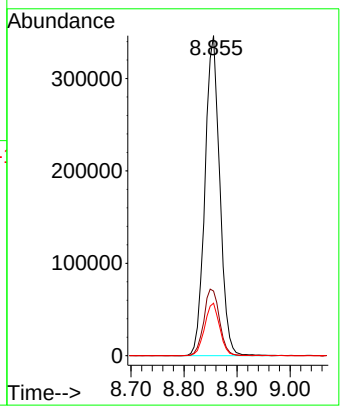


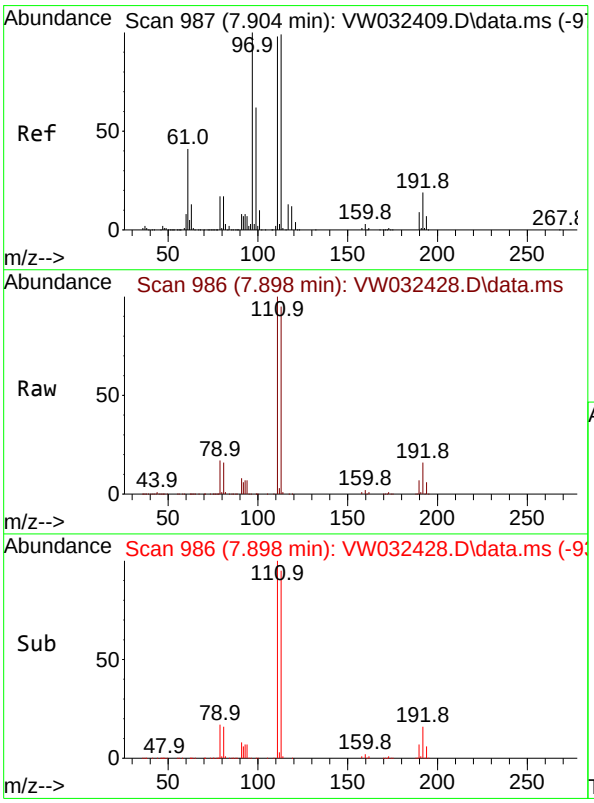
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion:114 Resp: 670411

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.8
88	16.4	0.0	32.6

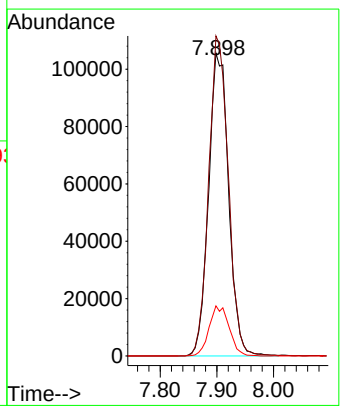


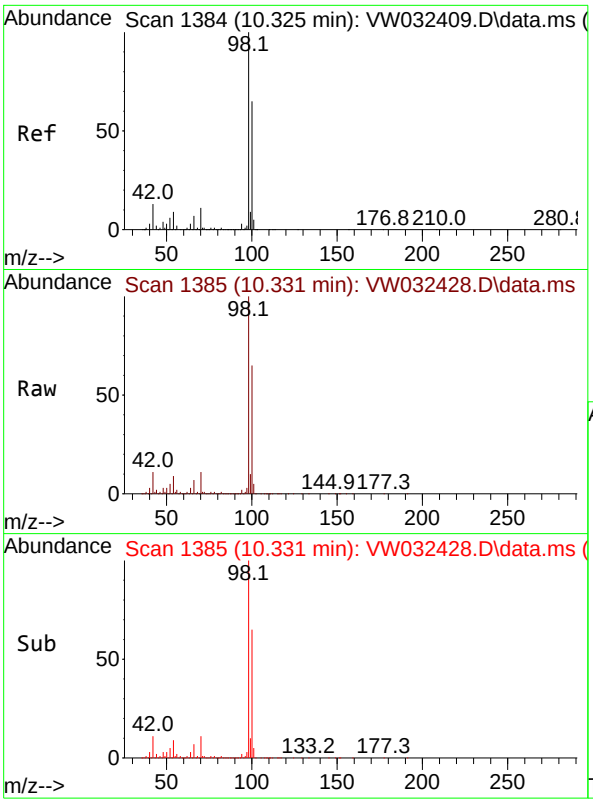


#35
Dibromofluoromethane
Concen: 64.706 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion:113 Resp: 259724

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	16.5	13.4	20.2



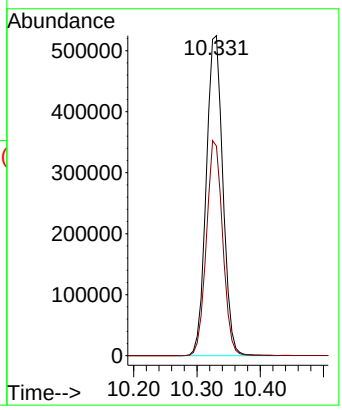


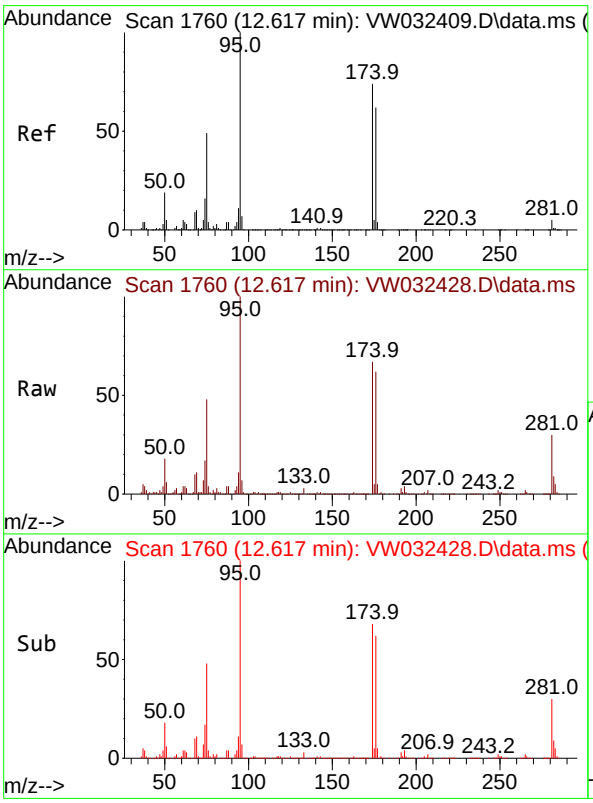
#50
Toluene-d8
Concen: 62.150 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion: 98 Resp: 957024

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9

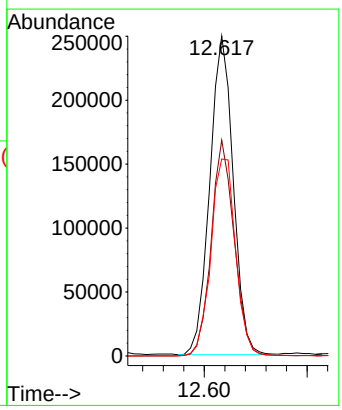


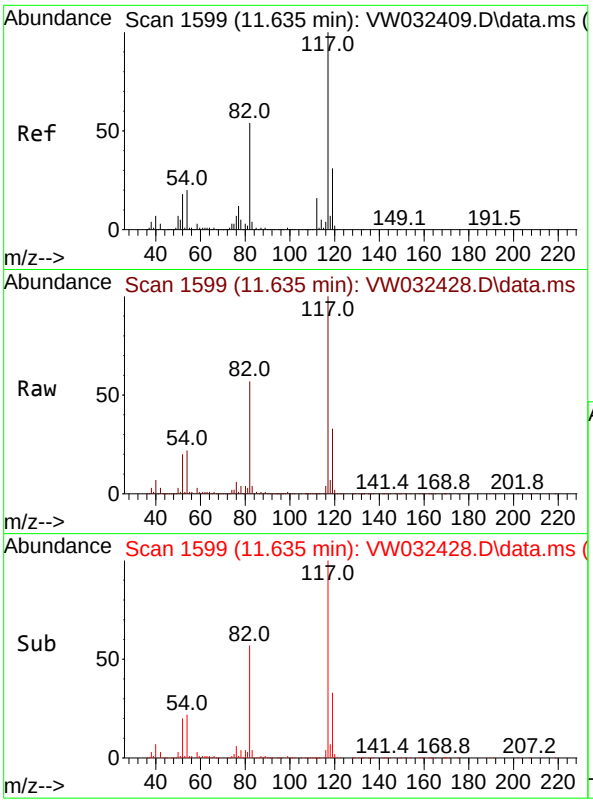


#62
4-Bromofluorobenzene
Concen: 67.631 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 95 Resp: 393409

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	135.4
176	65.4	0.0	131.8



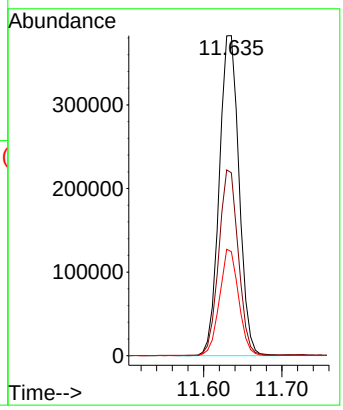


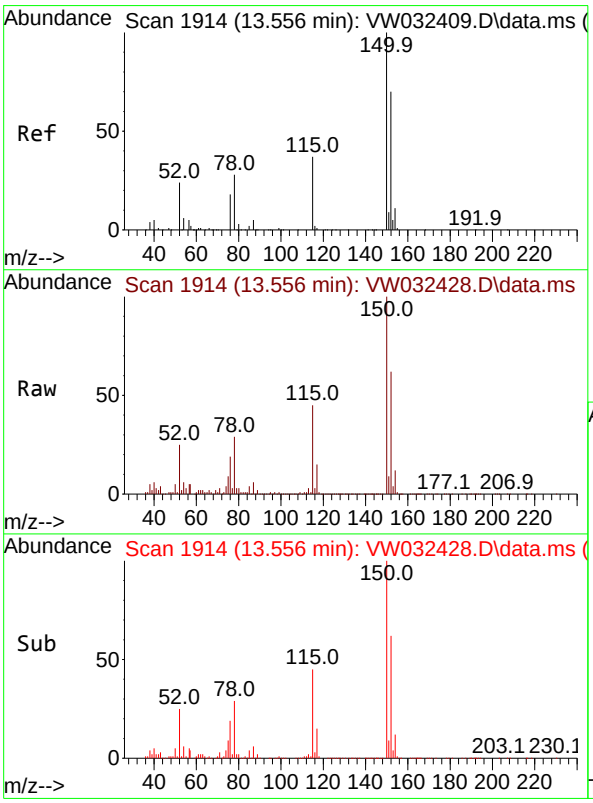
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion:117 Resp: 673114

Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.0	64.4
119	32.5	25.0	37.6

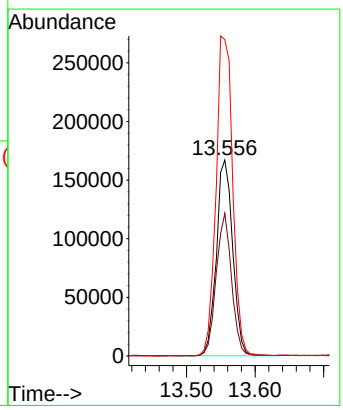


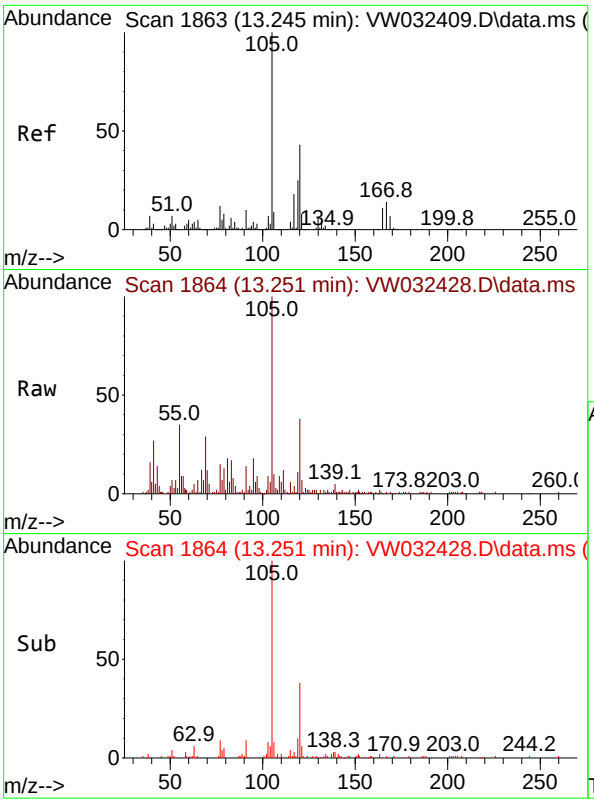


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion:152 Resp: 275351

Ion	Ratio	Lower	Upper
152	100		
115	68.3	32.8	98.3
150	167.0	0.0	356.6



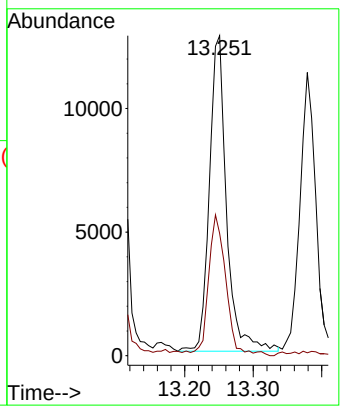


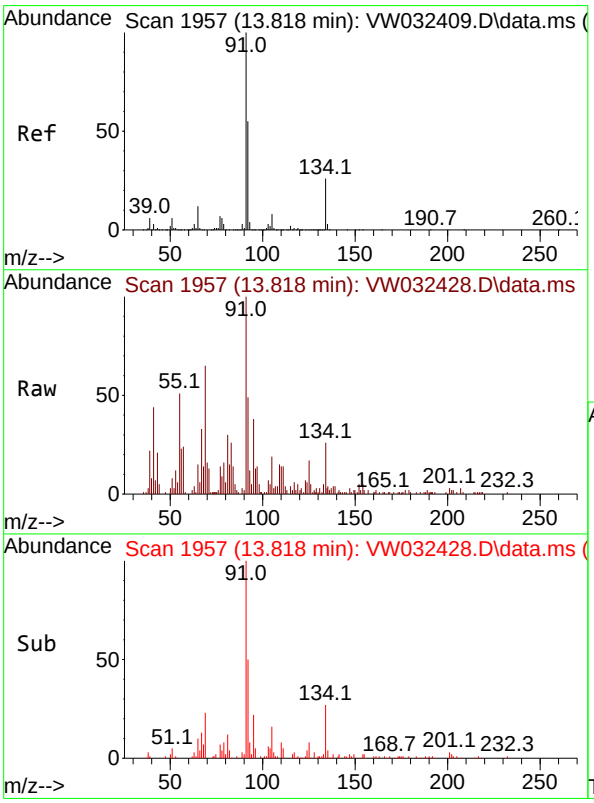
#84
1,2,4-Trimethylbenzene
Concen: 1.311 ug/l
RT: 13.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Tgt Ion:105 Resp: 22246

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5

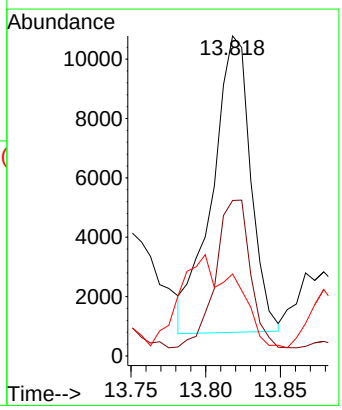




#89
n-Butylbenzene
Concen: 1.021 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 91 Resp: 17808

Ion	Ratio	Lower	Upper
91	100		
92	47.4	27.4	82.2
134	0.0	12.4	37.4#



Sample Results: **VW032428.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032428.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.167	365	374	383	rBV2	51083	158723	5.98%	0.615%
2	4.960	490	504	517	rBV2	30806	115942	4.37%	0.449%
3	7.203	857	872	884	rBV2	32530	115935	4.37%	0.449%
4	7.898	970	986	992	rBV	338461	893076	33.65%	3.458%
5	7.965	992	997	1008	rVB2	392842	878767	33.12%	3.403%
6	8.319	1045	1055	1067	rBV	367359	830332	31.29%	3.215%
7	8.855	1131	1143	1161	rVB	784139	1590290	59.93%	6.158%
8	10.325	1376	1384	1401	rBV	1397165	2573641	96.98%	9.965%
9	11.629	1591	1598	1608	rBV	1189413	2079439	78.36%	8.052%
10	12.135	1674	1681	1692	rBV2	54158	174595	6.58%	0.676%
11	12.367	1709	1719	1720	rBV6	40918	121417	4.58%	0.470%
12	12.611	1751	1759	1767	rBV2	1325197	2653666	100.00%	10.275%
13	12.782	1783	1787	1794	rVB4	44777	92999	3.50%	0.360%
14	12.928	1804	1811	1818	rBV4	107716	259631	9.78%	1.005%
15	13.160	1845	1849	1856	rVB2	91306	159439	6.01%	0.617%
16	13.440	1888	1895	1899	rBV6	108028	225344	8.49%	0.873%
17	13.556	1908	1914	1921	rVV	1120700	1833342	69.09%	7.099%
18	13.617	1921	1924	1930	rVB3	60282	86640	3.26%	0.335%
19	13.751	1943	1946	1951	rVB	65782	99777	3.76%	0.386%
20	13.867	1960	1965	1970	rBV2	488488	807808	30.44%	3.128%
21	14.062	1986	1997	1999	rBV3	169002	393531	14.83%	1.524%
22	14.086	1999	2001	2006	rVB	162259	237682	8.96%	0.920%
23	14.196	2014	2019	2025	rVB5	116181	217935	8.21%	0.844%
24	14.263	2025	2030	2035	rBV5	67557	148277	5.59%	0.574%
25	14.342	2036	2043	2044	rVV6	85012	185136	6.98%	0.717%
26	14.379	2045	2049	2052	rVV2	261875	450736	16.99%	1.745%
27	14.415	2052	2055	2063	rVB2	194459	314603	11.86%	1.218%
28	14.489	2063	2067	2071	rBV3	107444	161052	6.07%	0.624%
29	14.543	2071	2076	2081	rVV5	99694	178102	6.71%	0.690%
30	14.690	2095	2100	2102	rBV2	94459	166726	6.28%	0.646%
31	14.726	2103	2106	2111	rVB4	95970	145250	5.47%	0.562%
32	14.793	2111	2117	2123	rBV4	335470	901747	33.98%	3.492%
33	15.056	2155	2160	2164	rBV2	197226	327847	12.35%	1.269%
34	15.098	2164	2167	2172	rVB2	94753	137958	5.20%	0.534%
35	15.171	2172	2179	2186	rVB4	239373	546767	20.60%	2.117%
36	15.318	2198	2203	2207	rBV3	114549	219476	8.27%	0.850%

Sample Results: **VW032428.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

37	15.415	2213	2219	2223	rBV	259177	485956	18.31%	1.882%
38	15.464	2223	2227	2229	rBV4	110331	174192	6.56%	0.674%
39	15.647	2250	2257	2263	rBV2	213570	492618	18.56%	1.907%
40	15.805	2276	2283	2287	rBV4	108168	294698	11.11%	1.141%
41	15.854	2287	2291	2298	rVB2	235188	414279	15.61%	1.604%
42	15.940	2301	2305	2310	rBV5	82117	135409	5.10%	0.524%
43	16.013	2311	2317	2323	rBV4	101328	275862	10.40%	1.068%
44	16.165	2335	2342	2356	rVB2	262658	670468	25.27%	2.596%
45	16.360	2365	2374	2381	rBV2	530815	1204154	45.38%	4.662%
46	16.433	2381	2386	2397	rVB3	175360	489977	18.46%	1.897%
47	16.641	2411	2420	2425	rBV6	175933	511028	19.26%	1.979%
48	16.775	2436	2442	2444	rBV3	99201	194150	7.32%	0.752%

Sum of corrected areas: 25826419

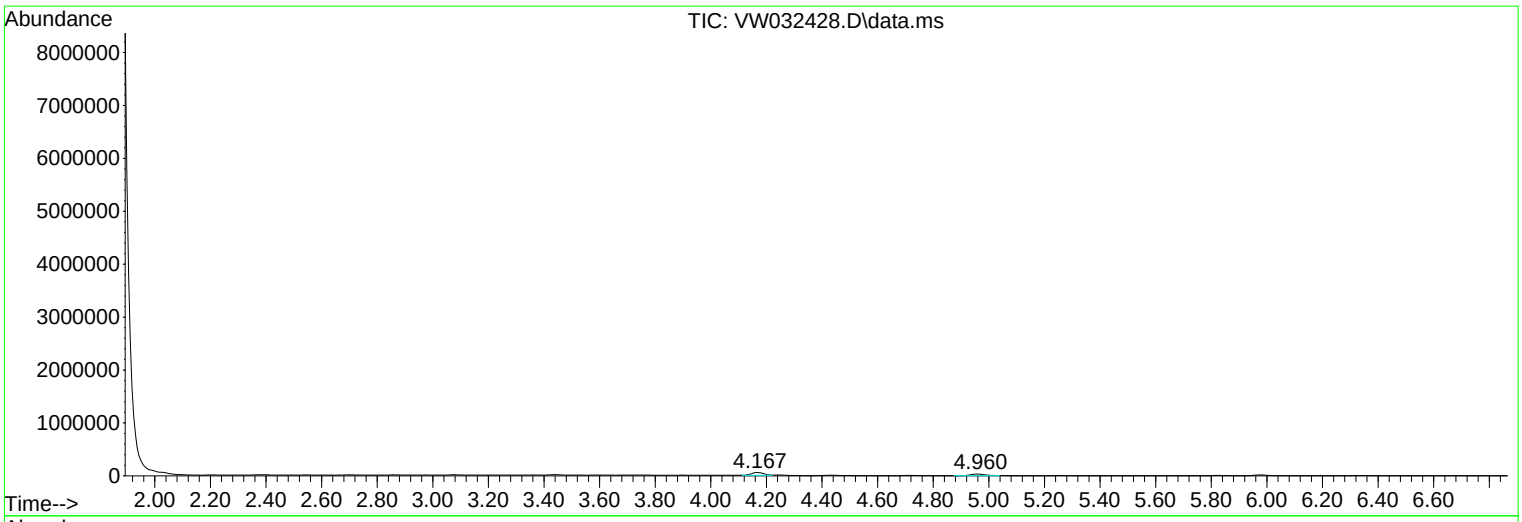
Sample Results: **VW032428.D**

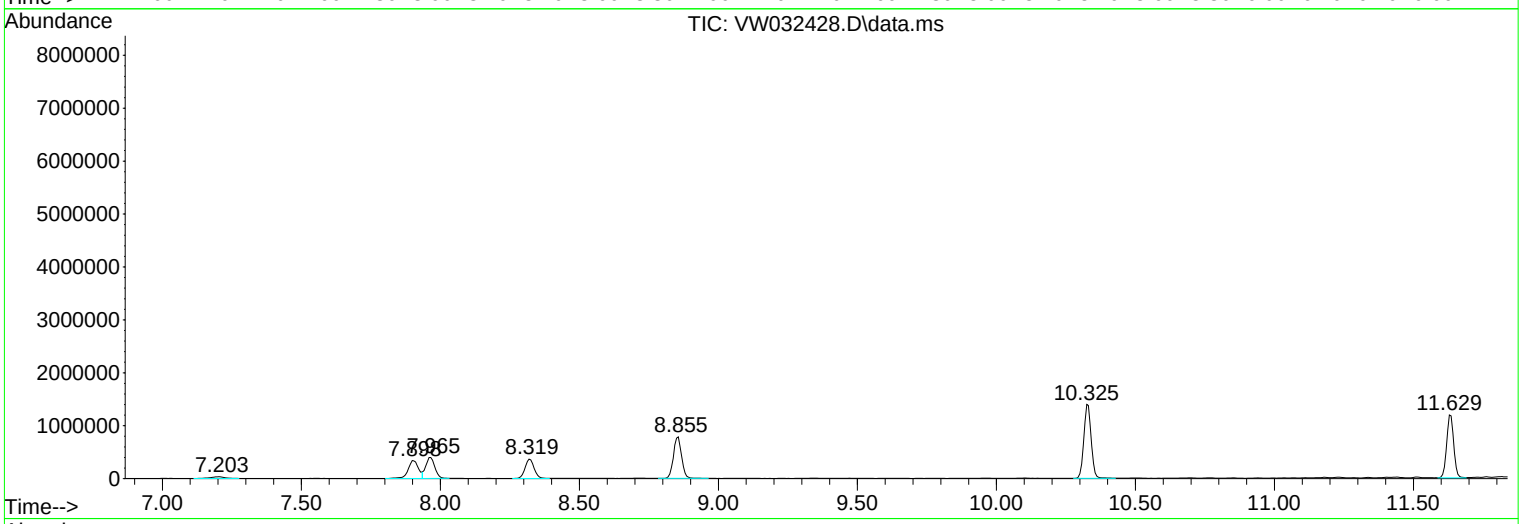
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

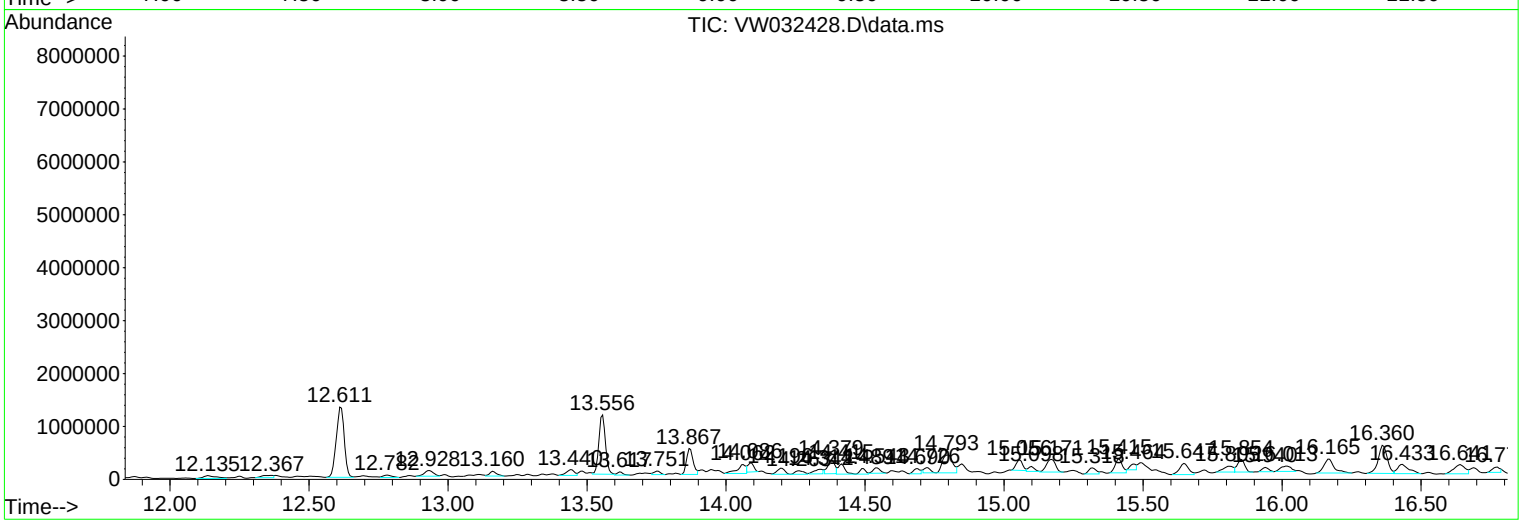
Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

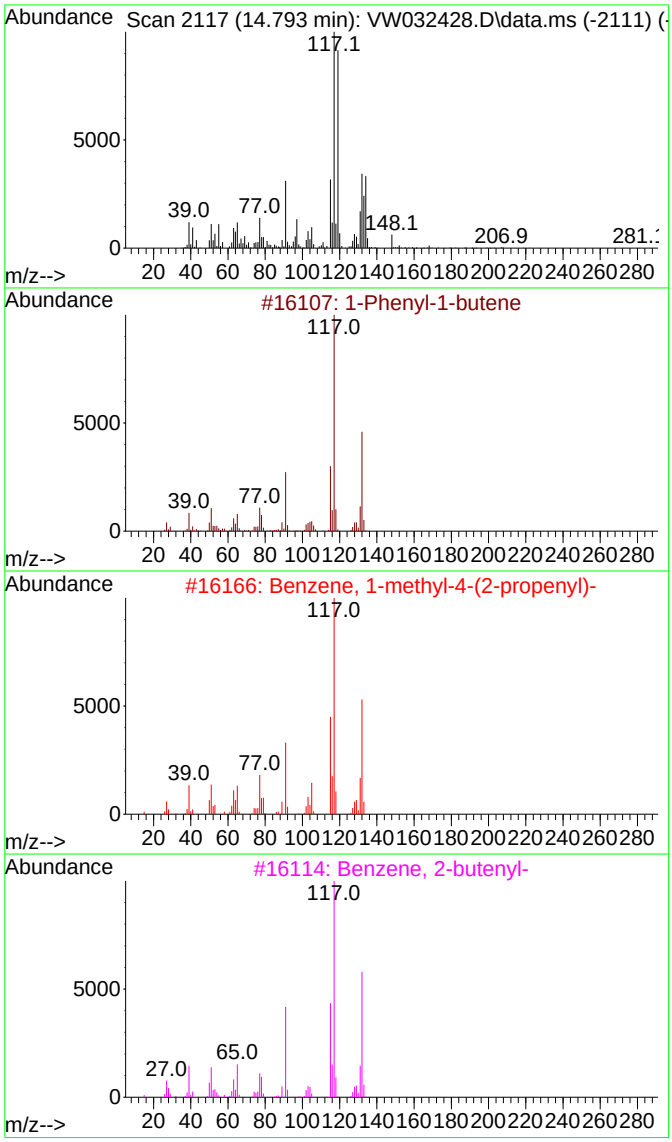
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

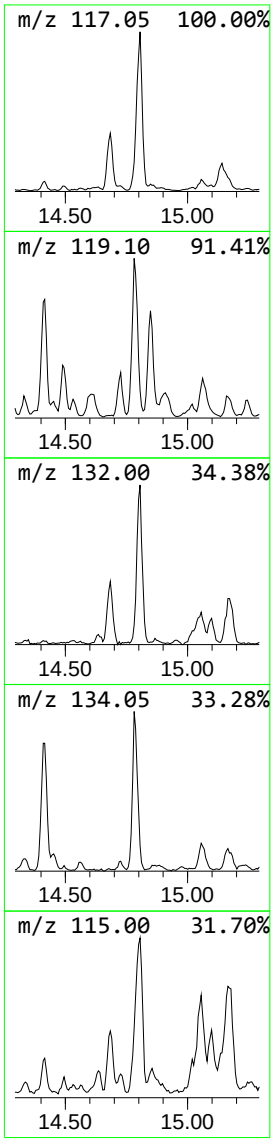
****

Peak Number 2 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.793	24.59 ug/l	901747	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	55
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

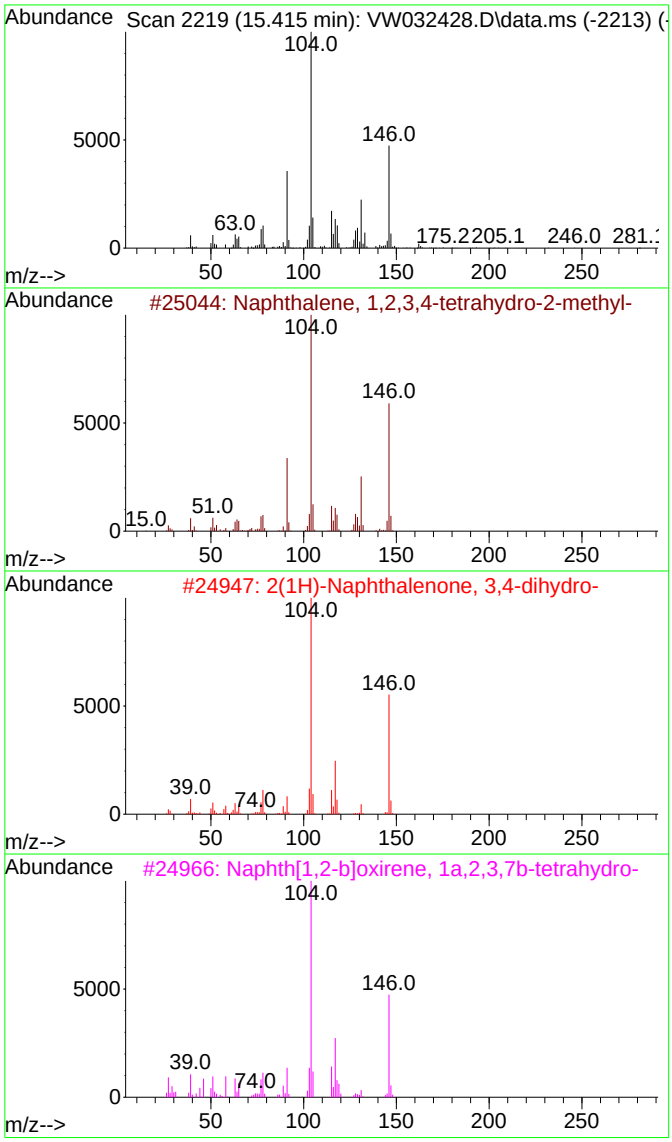
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

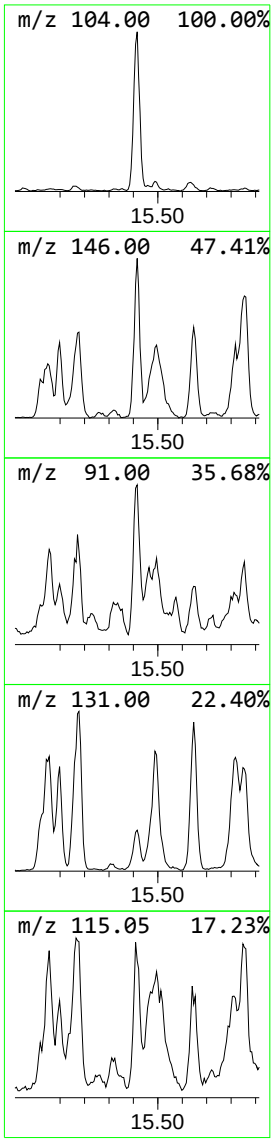
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	13.25 ug/l	485956	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	43
5	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

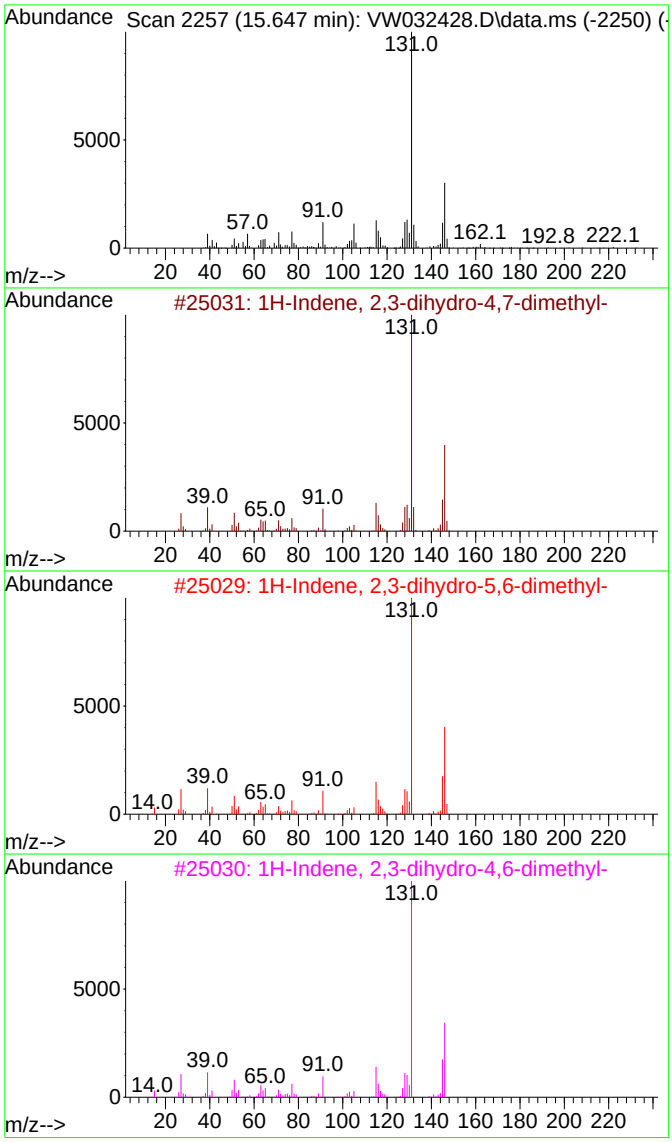
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

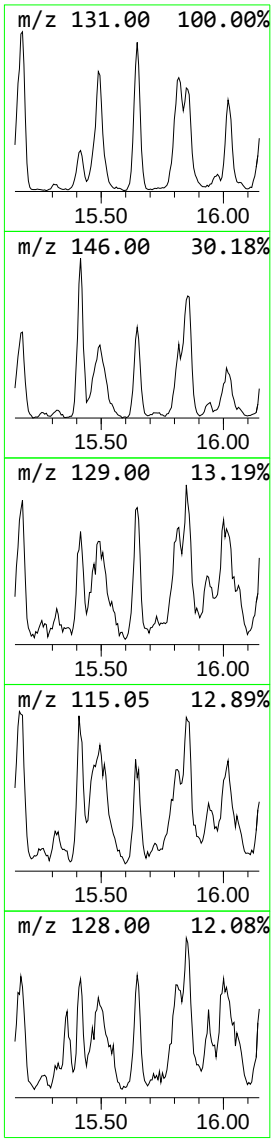
****

Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.647	13.44 ug/l	492618	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	95
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

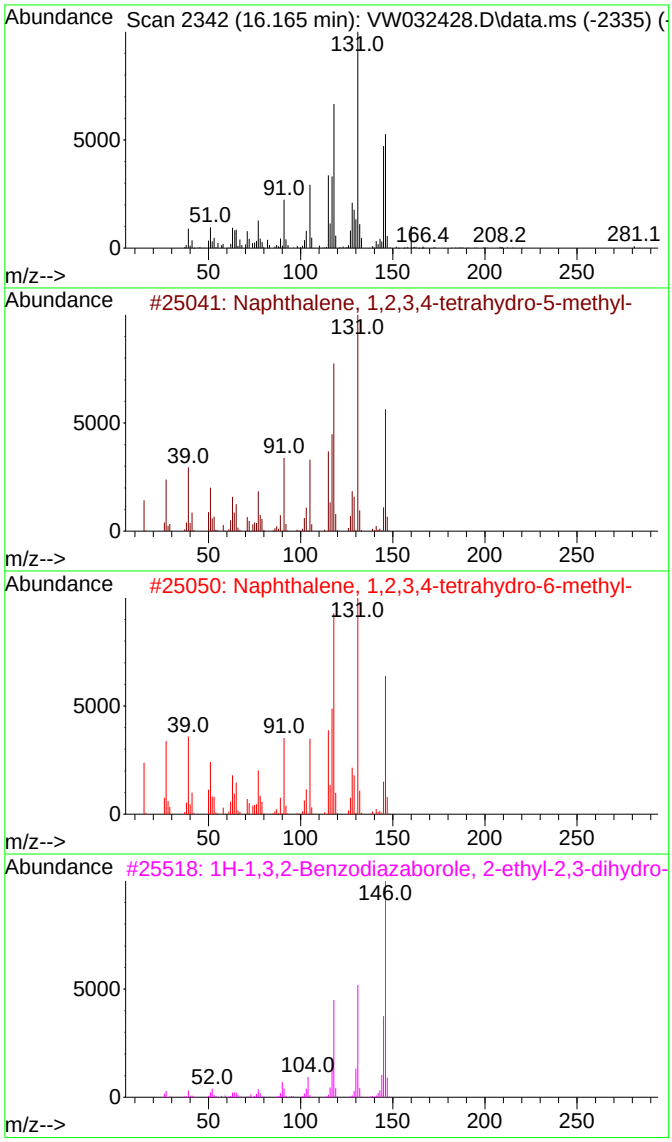
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

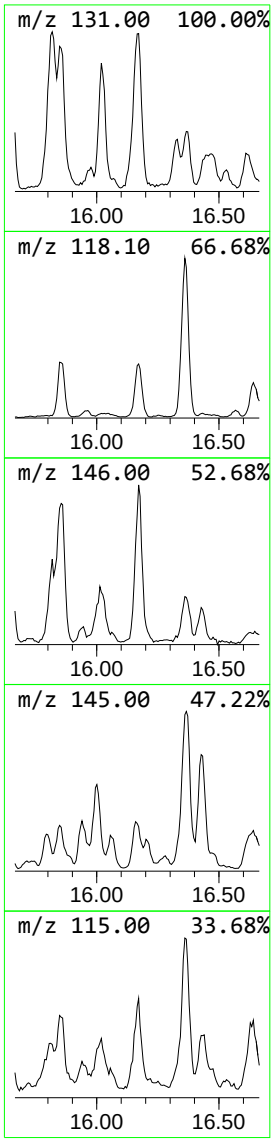
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.165	18.29 ug/l	670468	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	78
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	68
4	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	58
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

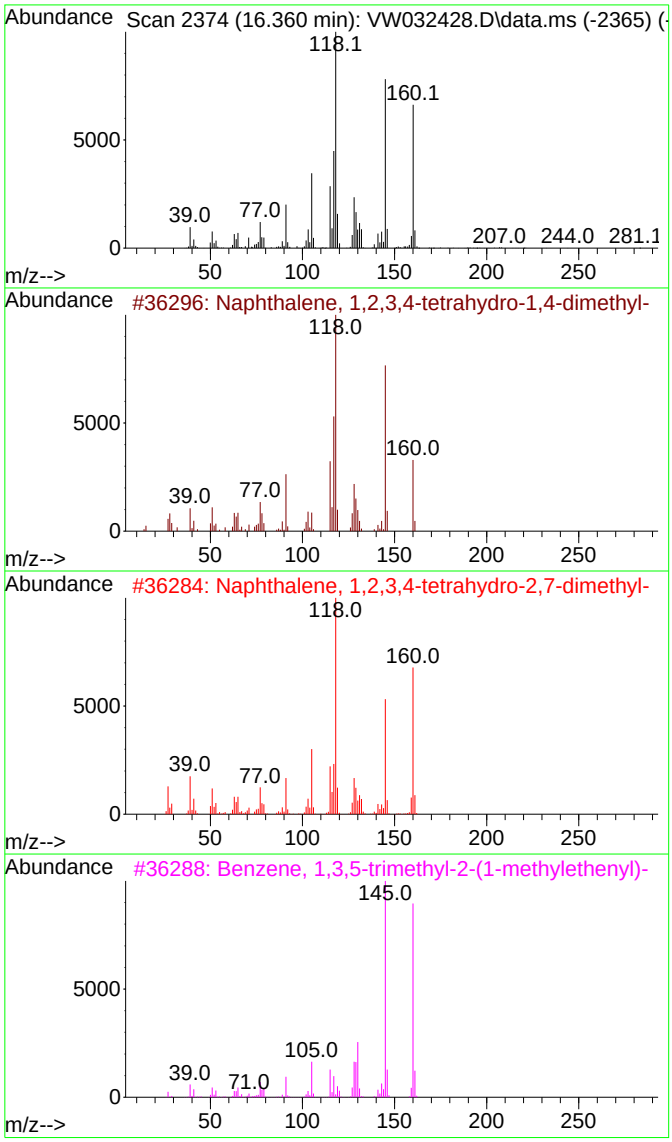
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

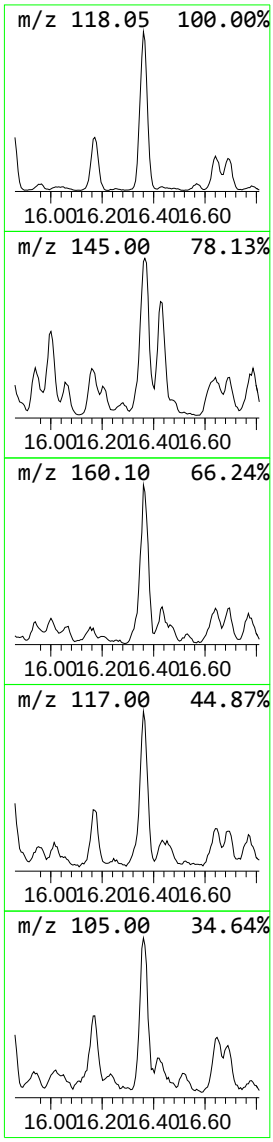
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.360	32.84 ug/l	1204150	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
5	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

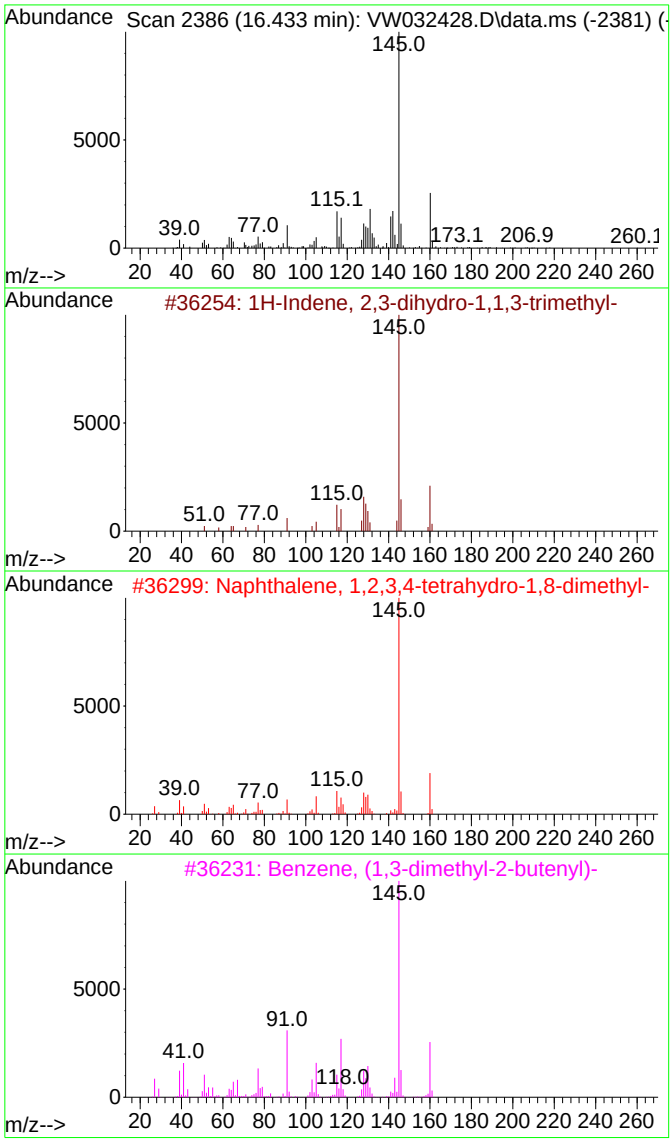
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

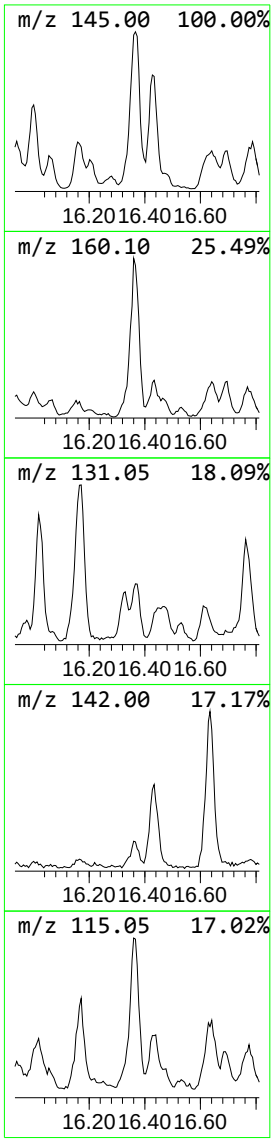
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.433	13.36 ug/l	489977	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
3	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	87
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	81
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Phenyl-1-butene	14.793	24.6	ug/l	901747	4	13.556	1833340	50.0
Naphthalene, 1,...	15.415	13.3	ug/l	485956	4	13.556	1833340	50.0
1H-Indene, 2,3-...	15.647	13.4	ug/l	492618	4	13.556	1833340	50.0
Naphthalene, 1,...	16.165	18.3	ug/l	670468	4	13.556	1833340	50.0
Naphthalene, 1,...	16.360	32.8	ug/l	1204150	4	13.556	1833340	50.0
1H-Indene, 2,3-...	16.433	13.4	ug/l	489977	4	13.556	1833340	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023760.D
Acq On : 12 Nov 2025 13:38
Operator : SY/MD
Sample : Q3586-02RE
Misc : 8.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Quant Time: Nov 14 03:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

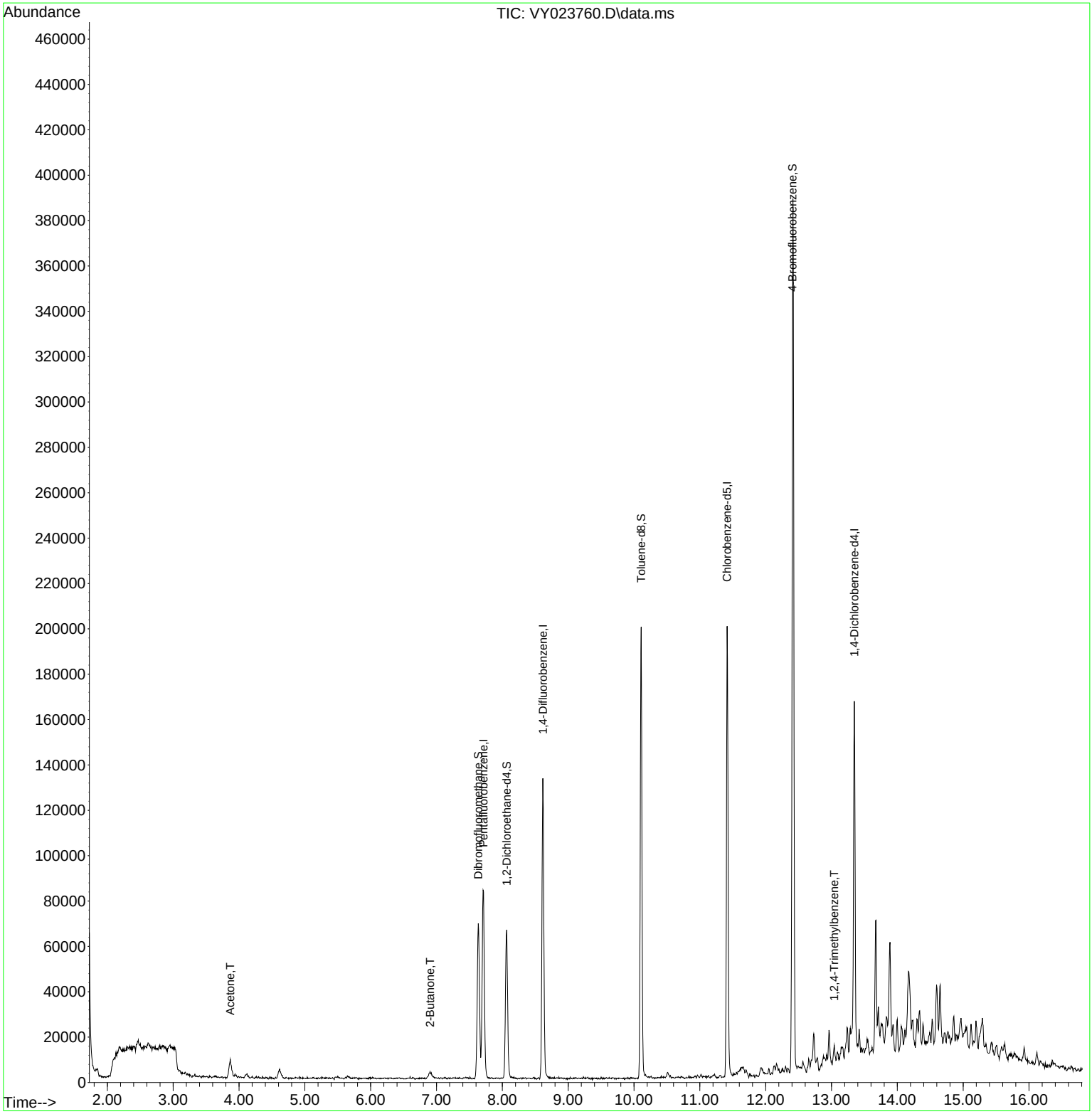
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	69400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	117751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	115570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	41947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52364	88.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 176.900%#			
35) Dibromofluoromethane	7.634	113	48847	66.380	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.760%			
50) Toluene-d8	10.109	98	134169	48.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	41670	47.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.020%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12535	85.185	ug/l	98
25) 2-Butanone	6.902	43	4155	24.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	4652	2.061	ug/l	94

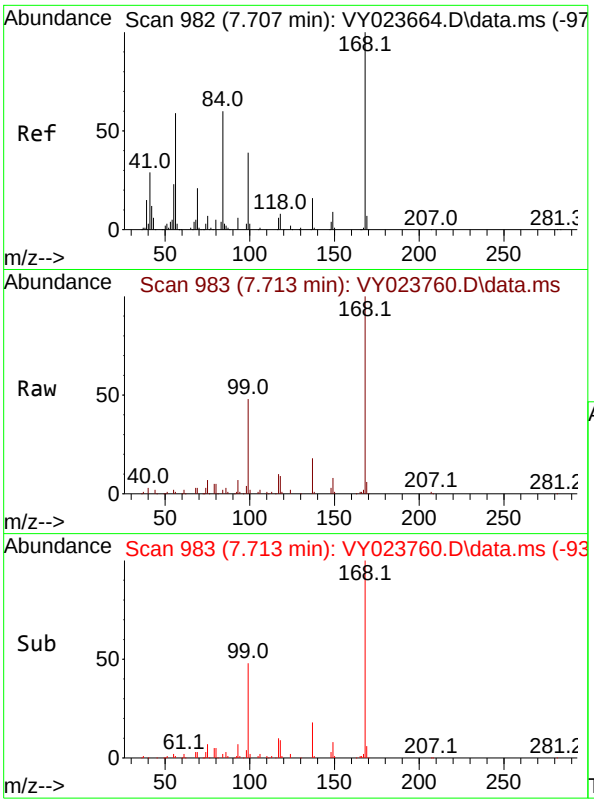
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023760.D
Acq On : 12 Nov 2025 13:38
Operator : SY/MD
Sample : Q3586-02RE
Misc : 8.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Quant Time: Nov 14 03:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



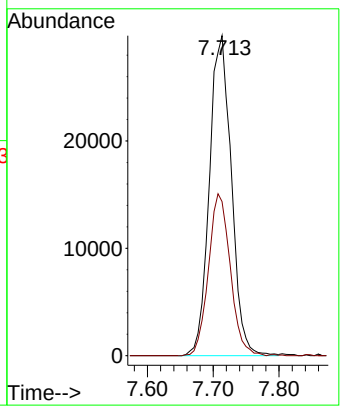


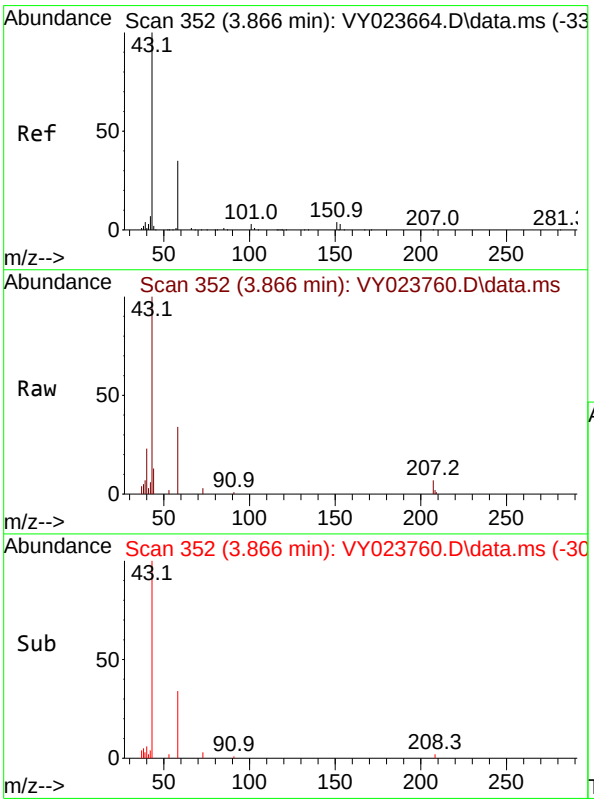
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:168 Resp: 69400

Ion	Ratio	Lower	Upper
168	100		
99	48.1	41.0	61.4

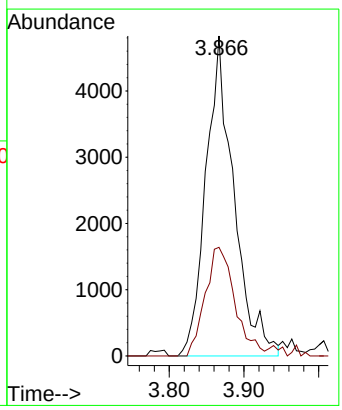


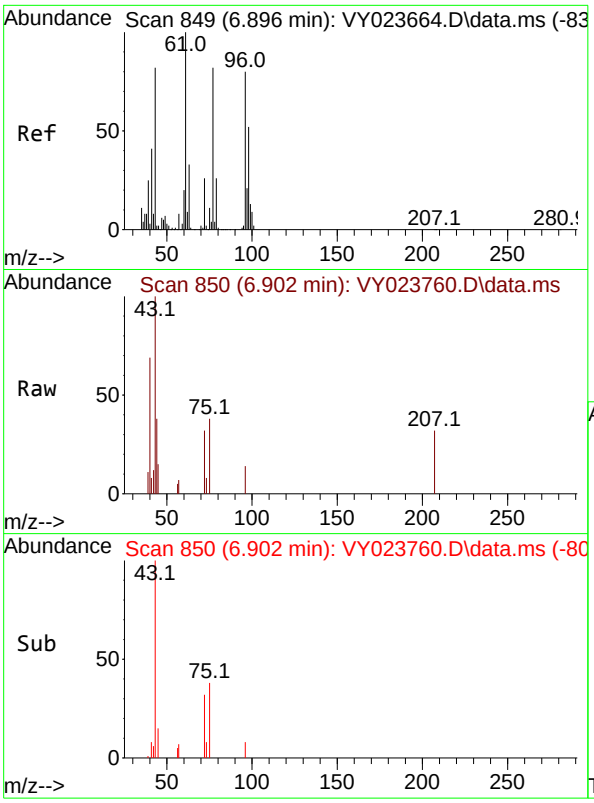


#16
Acetone
Concen: 85.185 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 43 Resp: 12535

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.2	42.4



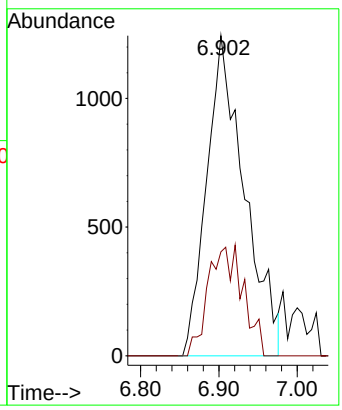


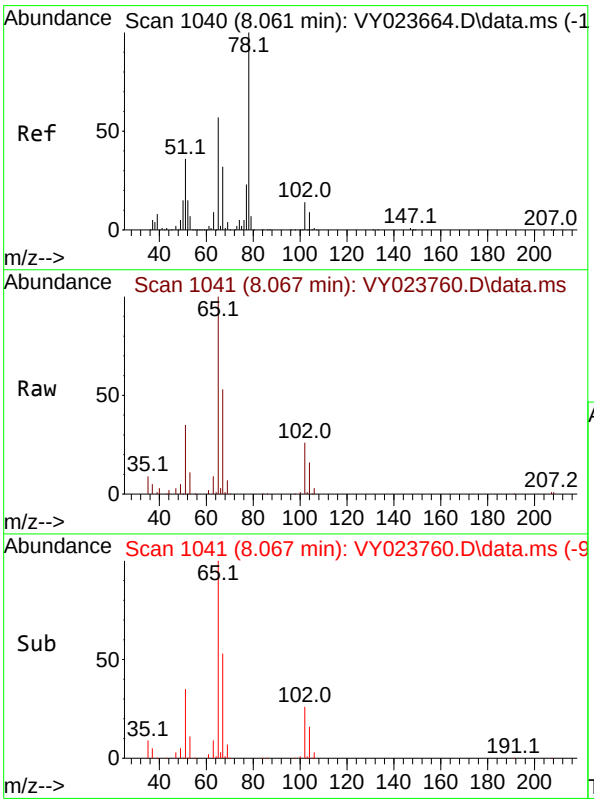
#25
2-Butanone
Concen: 24.422 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion: 43 Resp: 4155

Ion	Ratio	Lower	Upper
43	100		
72	32.5	25.7	38.5

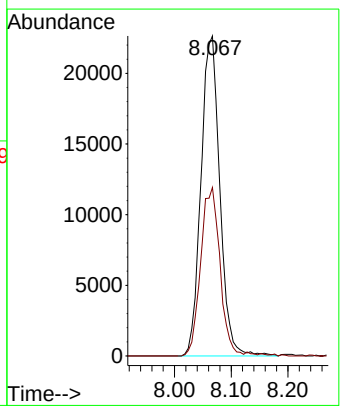


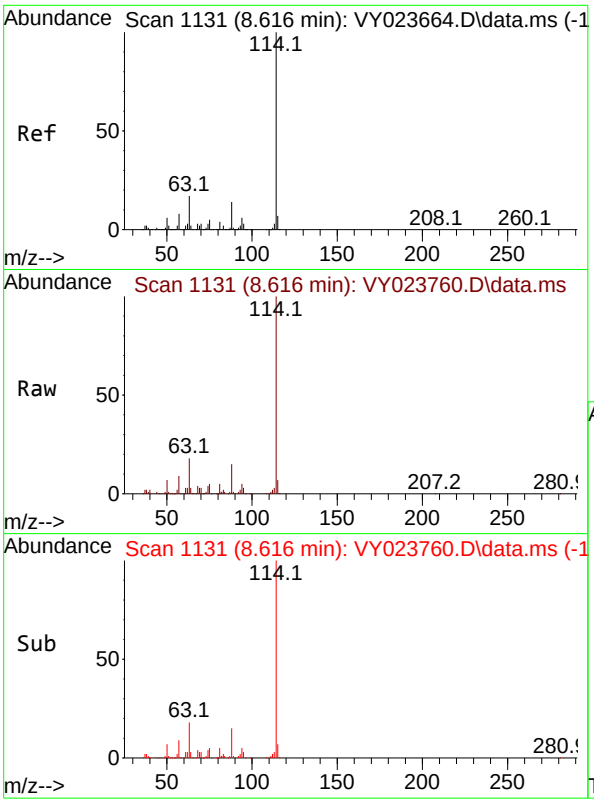


#33
1,2-Dichloroethane-d4
Concen: 88.454 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 65 Resp: 52364

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4



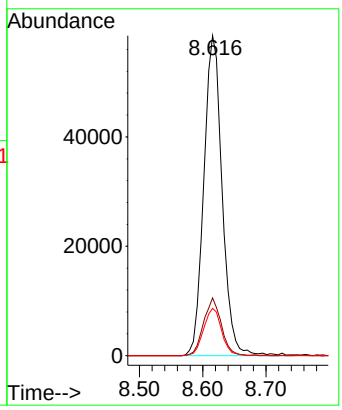


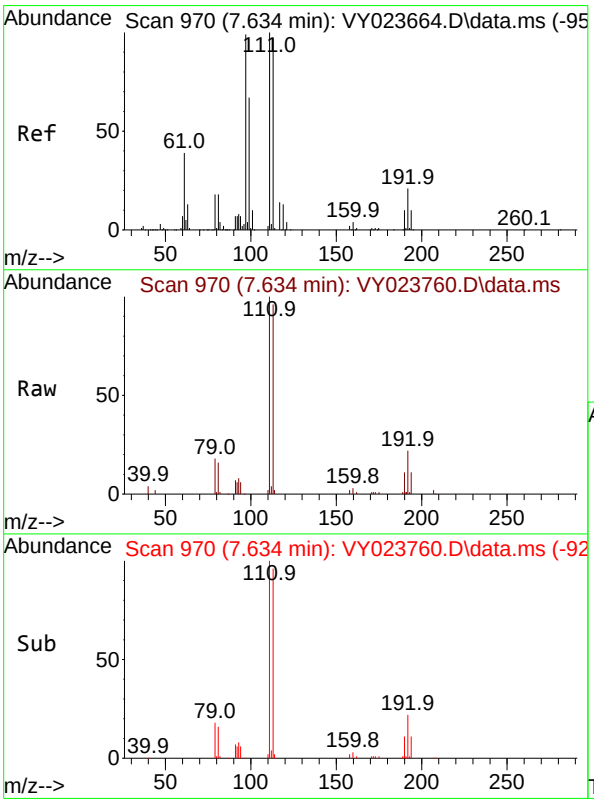
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:114 Resp: 117751

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	33.8
88	14.8	0.0	29.0

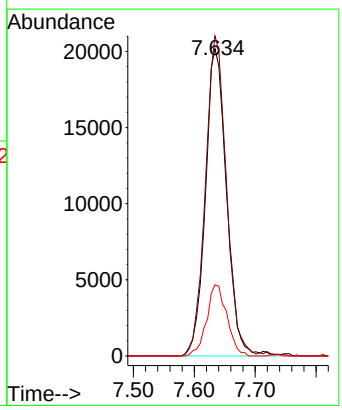


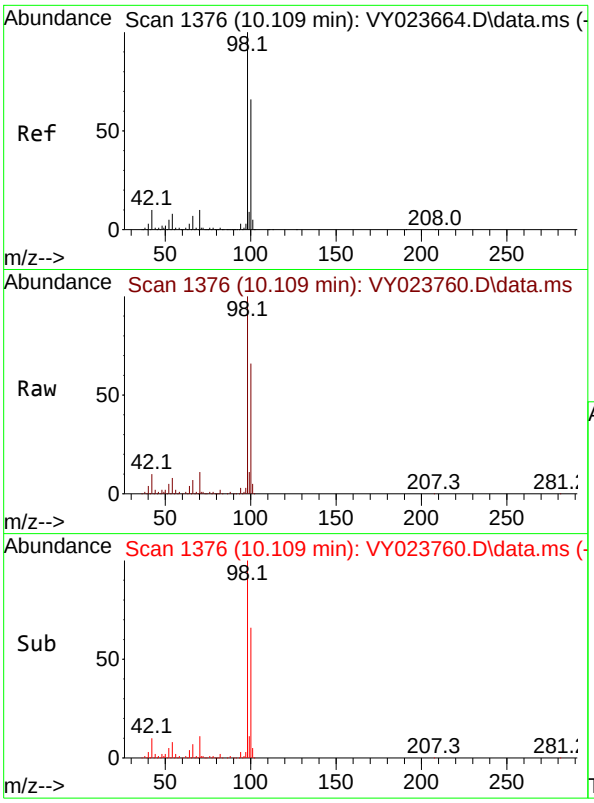


#35
Dibromofluoromethane
Concen: 66.380 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:113 Resp: 48847

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	22.1	17.3	25.9



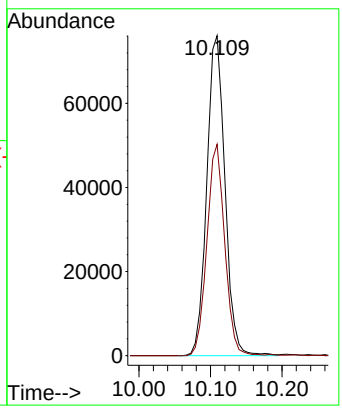


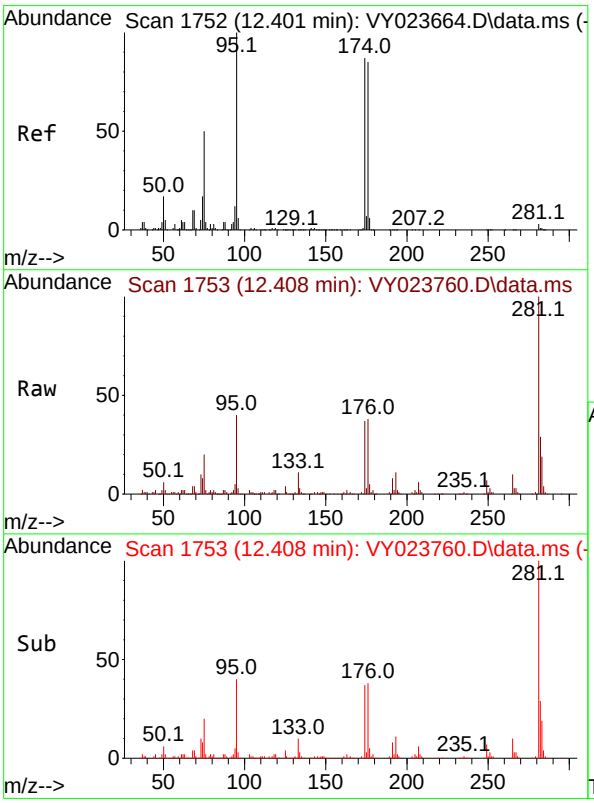
#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion: 98 Resp: 134169

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1

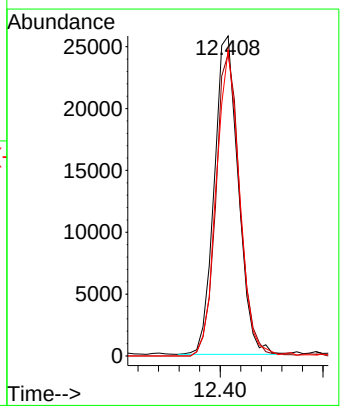


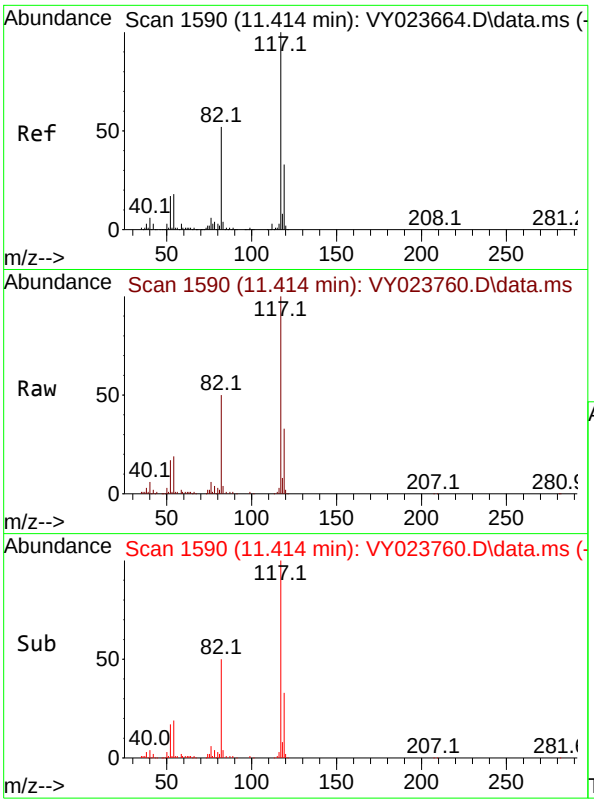


#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 95 Resp: 41670

Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	184.8
176	93.7	0.0	181.6



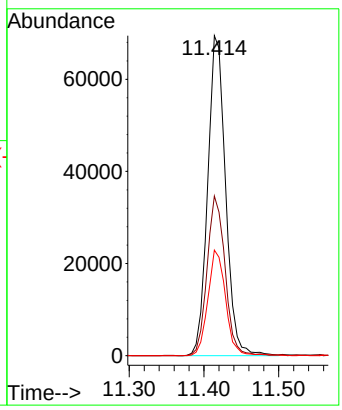


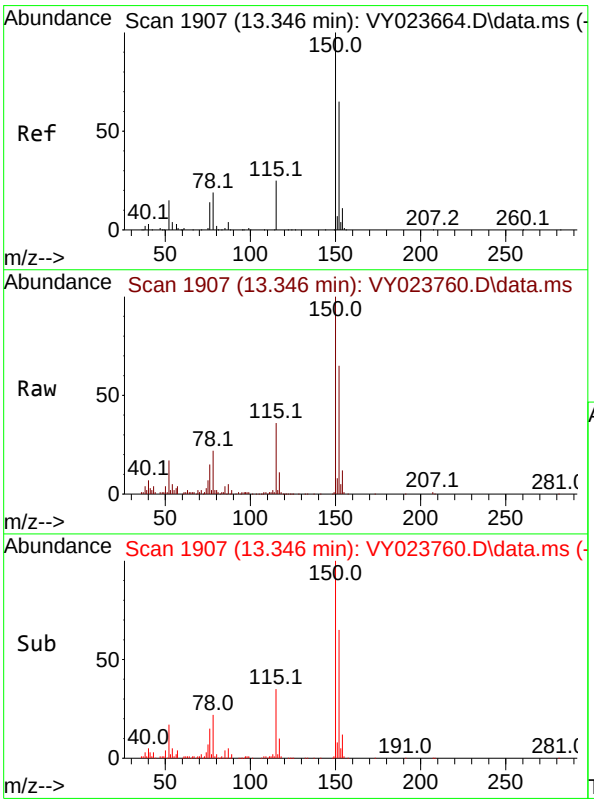
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:117 Resp: 115570

Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.2	61.8
119	33.0	26.2	39.2

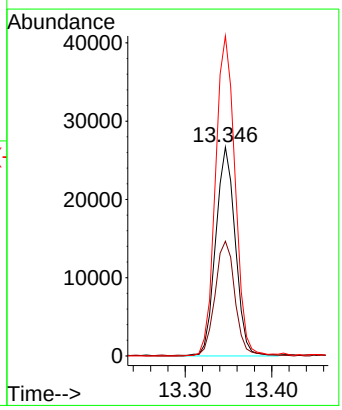


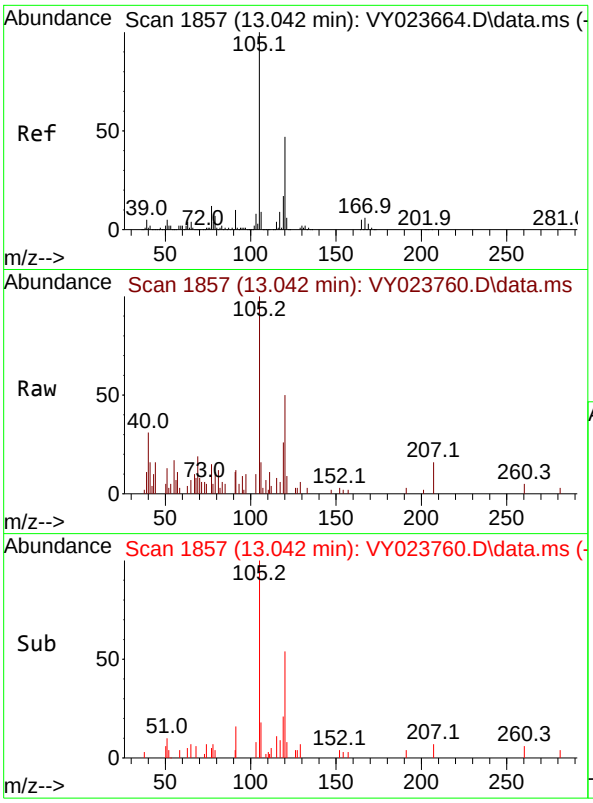


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:152 Resp: 41947

Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.5	82.5
150	153.6	0.0	349.0



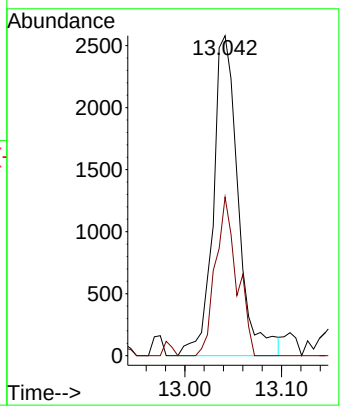


#84
1,2,4-Trimethylbenzene
Concen: 2.061 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:105 Resp: 4652

Ion	Ratio	Lower	Upper
105	100		
120	42.6	23.2	69.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Time: Nov 14 03:38:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

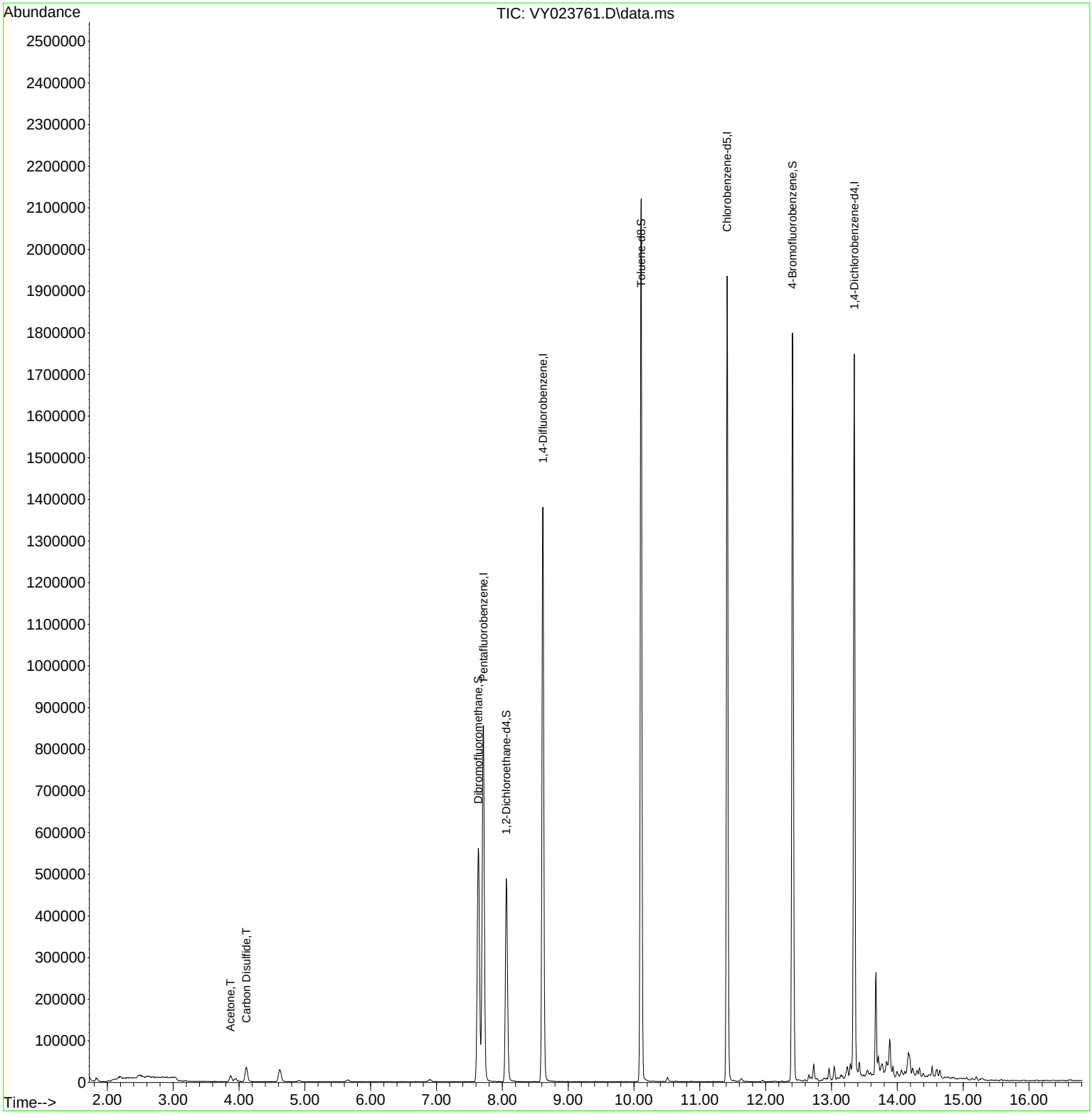
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	715841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1241972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1078013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	465632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	379494	62.149	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.300%			
35) Dibromofluoromethane	7.634	113	407574	52.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.020%			
50) Toluene-d8	10.109	98	1406469	48.646	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.408	95	430192	46.010	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.020%			
Target Compounds						Qvalue
16) Acetone	3.873	43	23954	15.782	ug/l	93
17) Carbon Disulfide	4.110	76	71109	3.622	ug/l	98

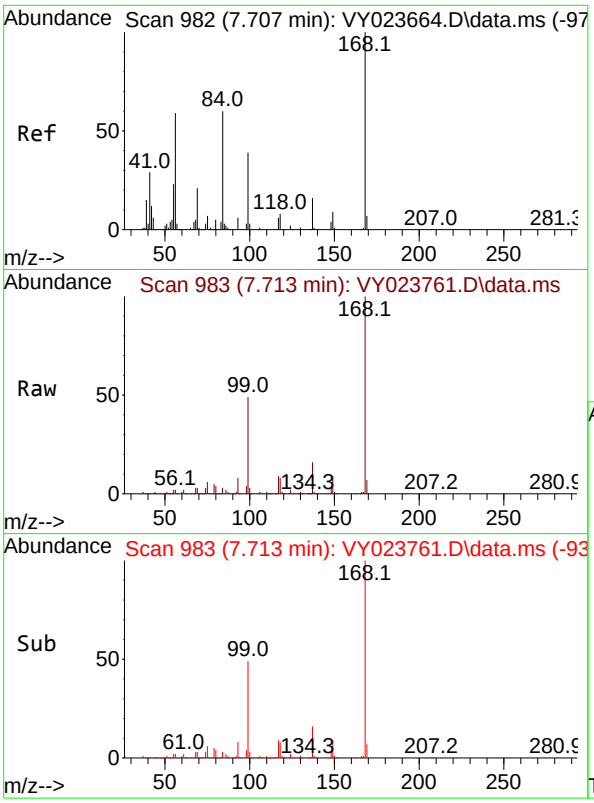
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Time: Nov 14 03:38:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



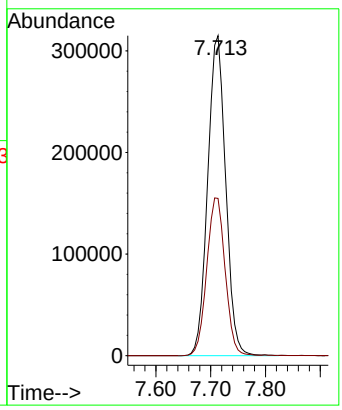


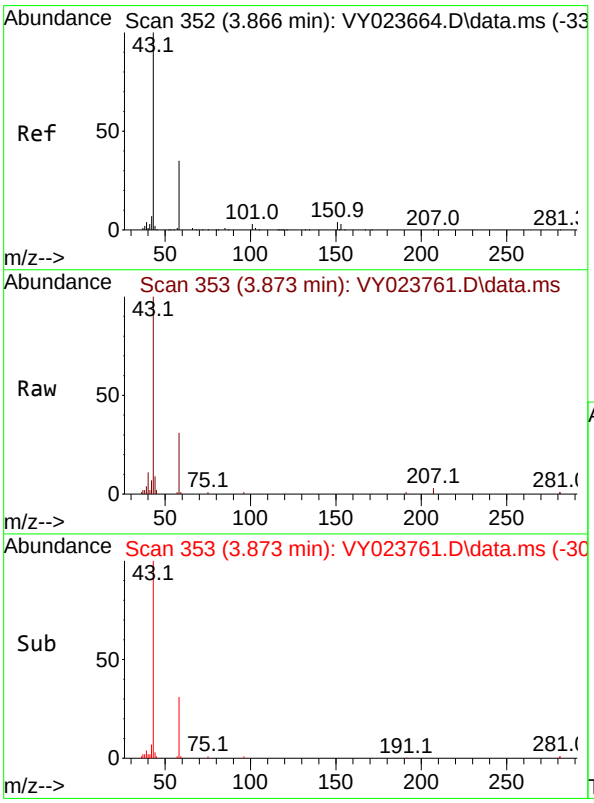
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion:168 Resp: 715841

Ion	Ratio	Lower	Upper
168	100		
99	49.1	41.0	61.4

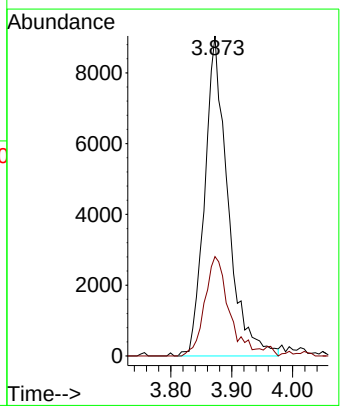


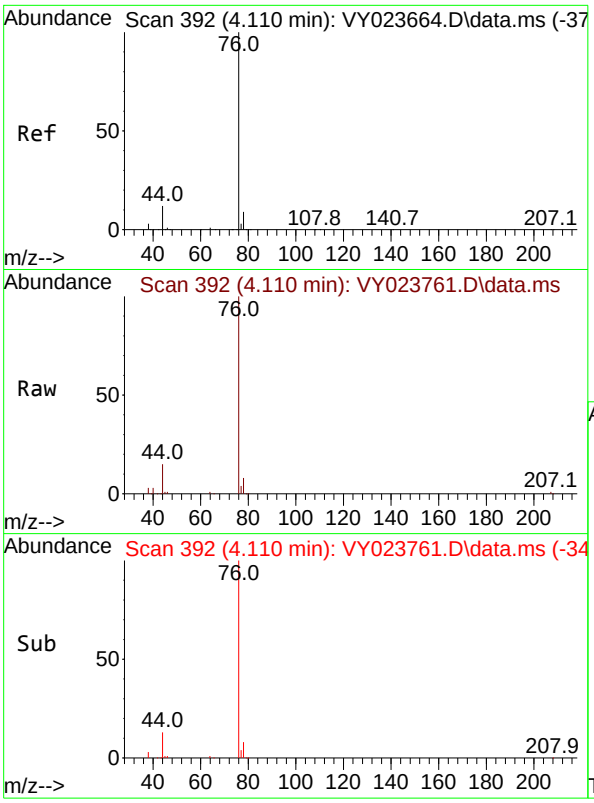


#16
Acetone
Concen: 15.782 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 43 Resp: 23954

Ion	Ratio	Lower	Upper
43	100		
58	31.1	28.2	42.4



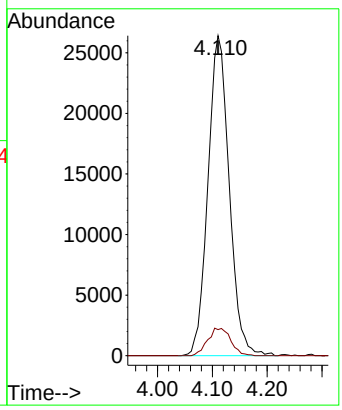


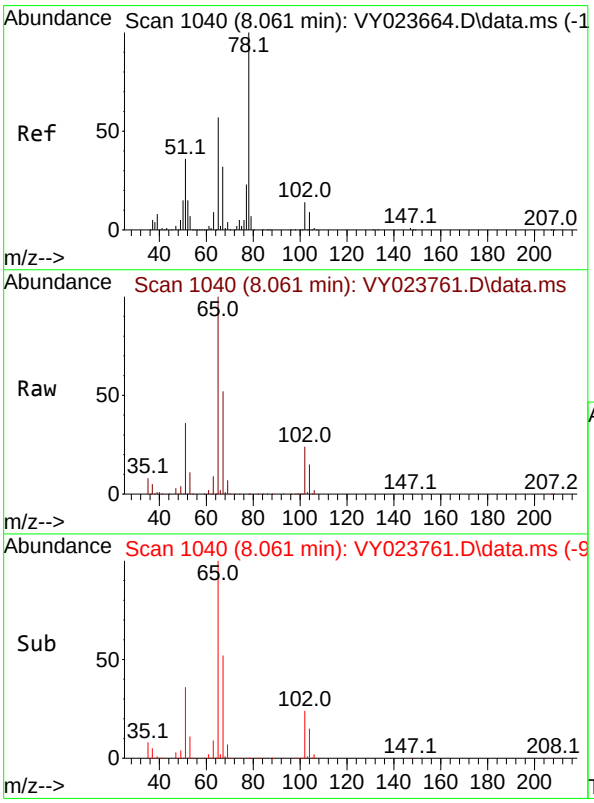
#17
Carbon Disulfide
Concen: 3.622 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion: 76 Resp: 71109

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.1	10.7

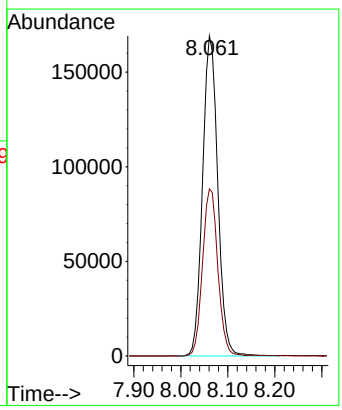


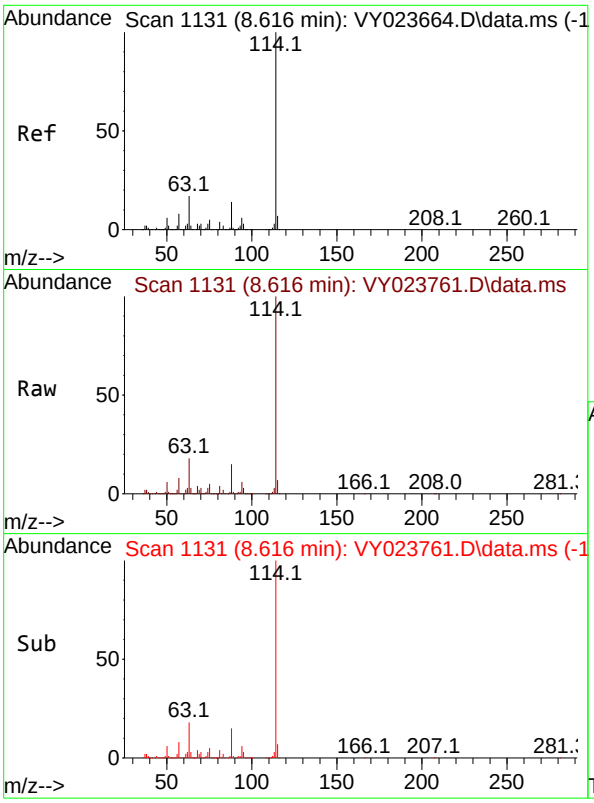


#33
1,2-Dichloroethane-d4
Concen: 62.149 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 65 Resp: 379494

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	107.4



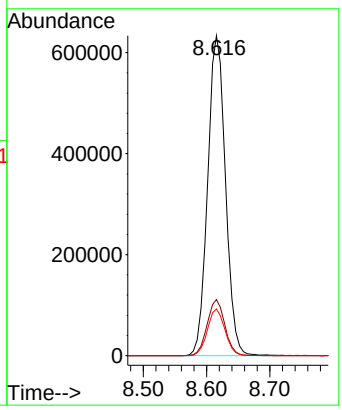


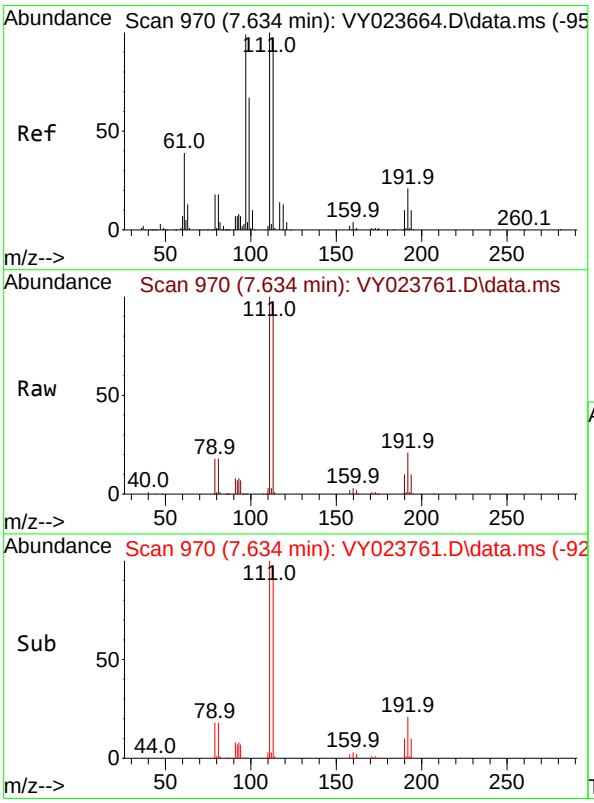
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion:114 Resp: 1241972

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	33.8
88	14.6	0.0	29.0

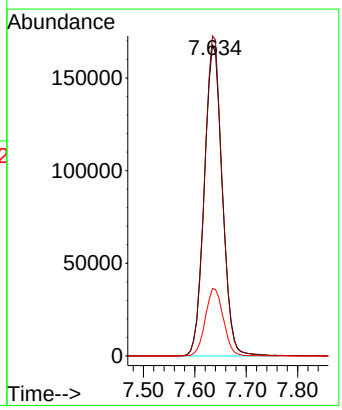


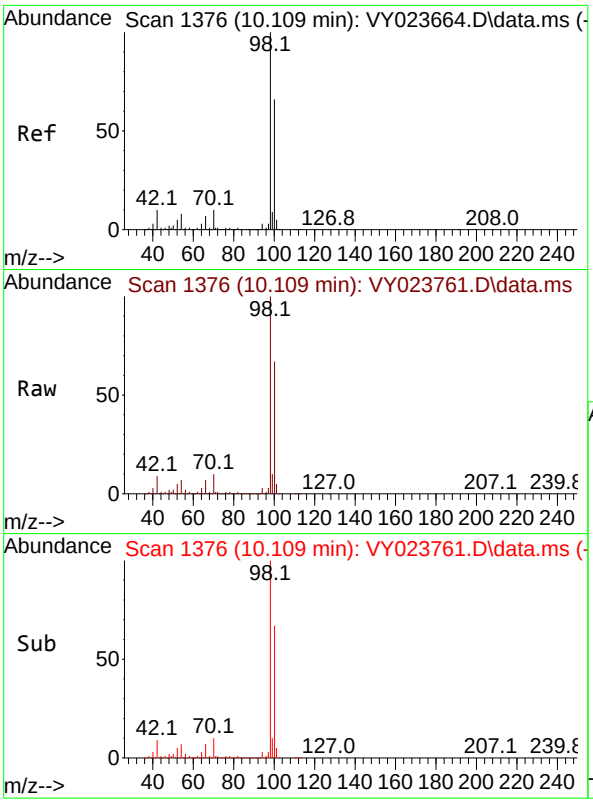


#35
Dibromofluoromethane
Concen: 52.512 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion:113 Resp: 407574

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	21.8	17.3	25.9



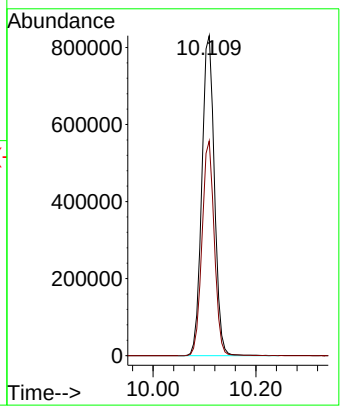


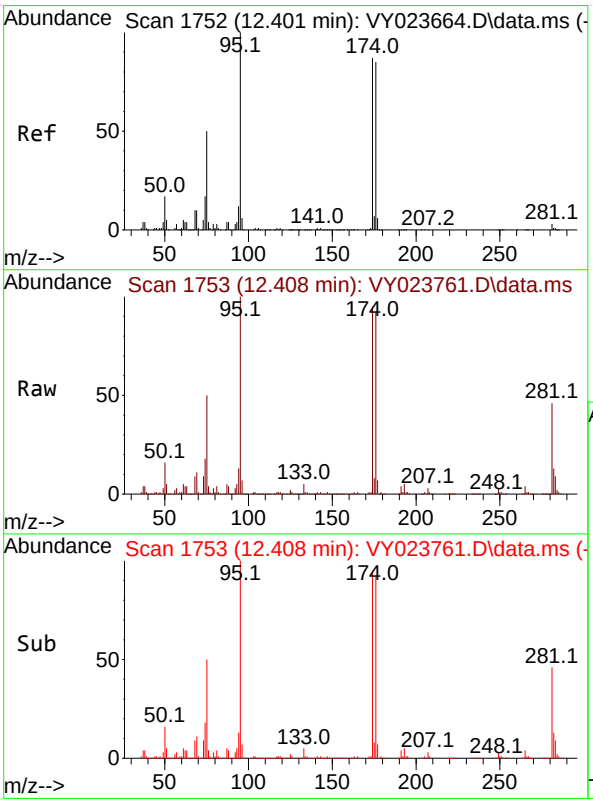
#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion: 98 Resp: 1406469

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

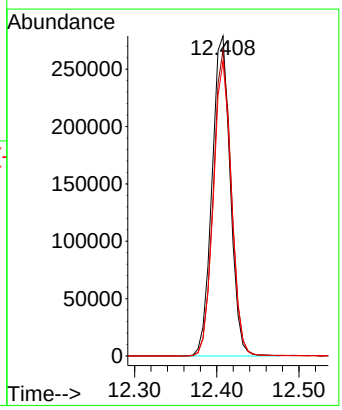


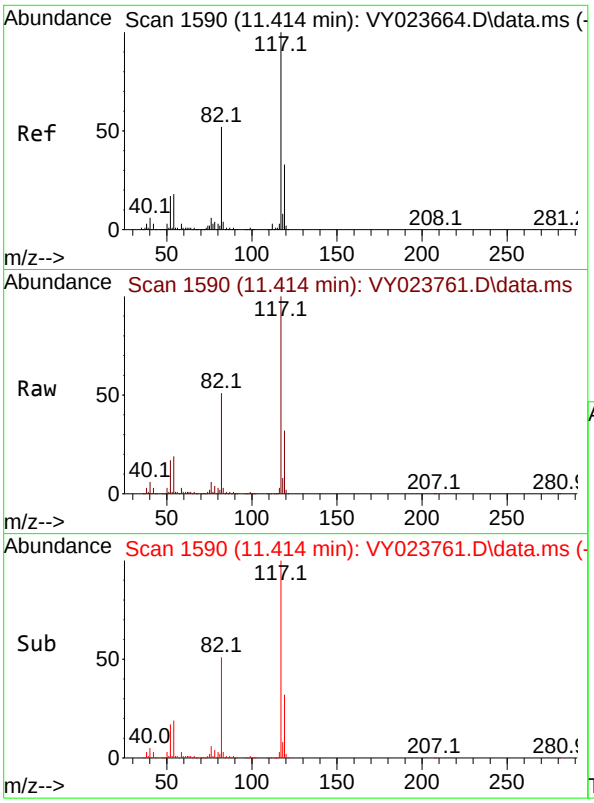


#62
4-Bromofluorobenzene
Concen: 46.010 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 95 Resp: 430192

Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	184.8
176	91.5	0.0	181.6



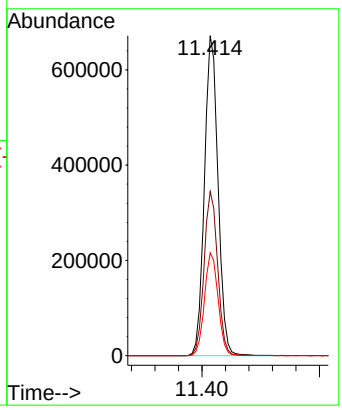


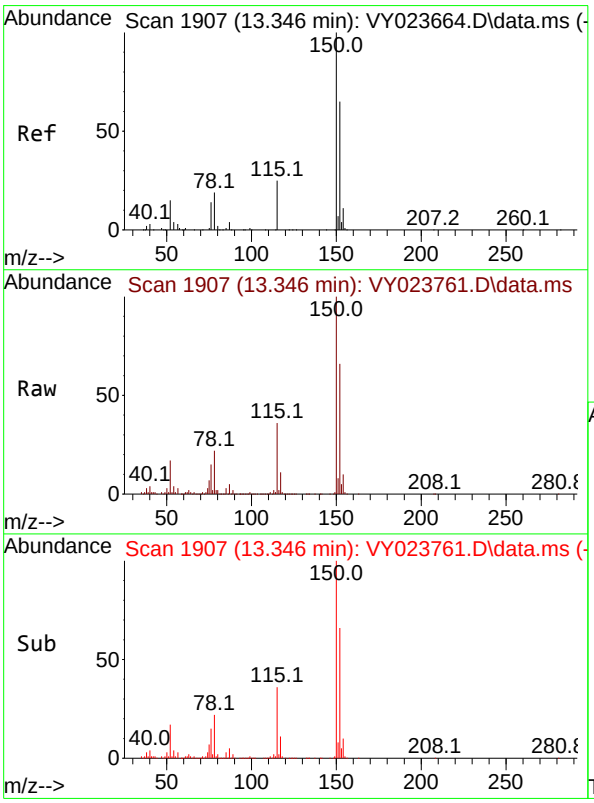
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion:117 Resp: 1078013

Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.2	26.2	39.2

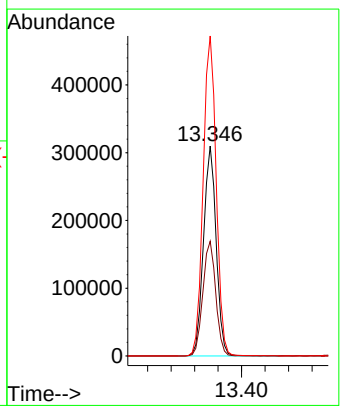




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion:152 Resp: 465632

Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.5
150	156.3	0.0	349.0



Sample Results: **VY023761.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Title : SW846 8260

Signal : TIC: VY023761.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.110	381	392	404	rBV2	34828	95827	2.66%	0.453%
2	4.616	464	475	490	rBV2	29087	91260	2.53%	0.432%
3	7.634	959	970	976	rBV	560873	1344189	37.28%	6.359%
4	7.713	976	983	1001	rVB	854074	1990198	55.20%	9.415%
5	8.061	1031	1040	1056	rBV	487298	1086787	30.14%	5.141%
6	8.616	1122	1131	1143	rBV	1380075	2704122	75.00%	12.792%
7	10.109	1366	1376	1393	rBV	2120006	3605483	100.00%	17.057%
8	11.414	1581	1590	1603	rBV	1934718	3113839	86.36%	14.731%
9	12.408	1743	1753	1764	rBV2	1797339	3227535	89.52%	15.269%
10	12.731	1802	1806	1811	rVB2	34537	51301	1.42%	0.243%
11	12.962	1840	1844	1850	rVB2	27341	42212	1.17%	0.200%
12	13.042	1851	1857	1862	rBV	31860	49677	1.38%	0.235%
13	13.237	1881	1889	1893	rBV5	28283	61873	1.72%	0.293%
14	13.285	1893	1897	1899	rVV2	31960	45360	1.26%	0.215%
15	13.346	1899	1907	1916	rVV	1733263	2727843	75.66%	12.905%
16	13.420	1916	1919	1923	rVB2	29068	41203	1.14%	0.195%
17	13.676	1955	1961	1965	rBV	245684	357345	9.91%	1.691%
18	13.712	1965	1967	1971	rVV2	43341	58861	1.63%	0.278%
19	13.767	1971	1976	1981	rVV7	25985	62604	1.74%	0.296%
20	13.834	1983	1987	1990	rVV4	31064	58689	1.63%	0.278%
21	13.883	1991	1995	2001	rVV3	83647	154371	4.28%	0.730%
22	14.169	2036	2042	2049	rBV8	49585	131666	3.65%	0.623%
23	14.602	2108	2113	2117	rVV6	18323	36146	1.00%	0.171%

Sum of corrected areas: 21138391

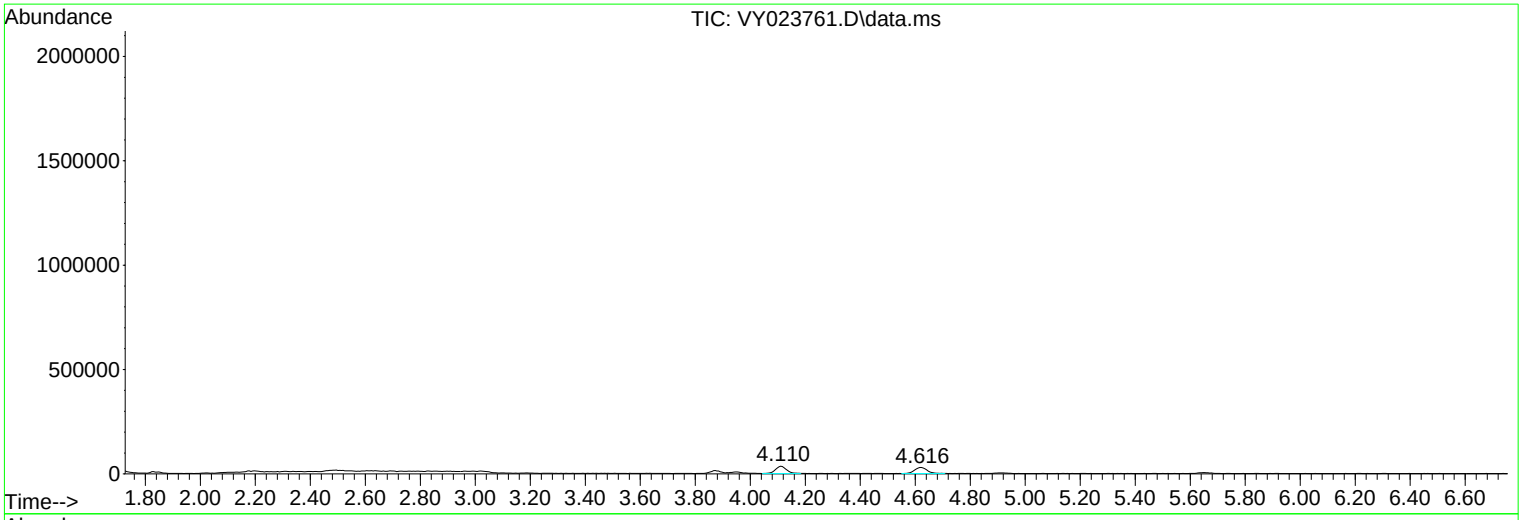
Sample Results: **VY023761.D**

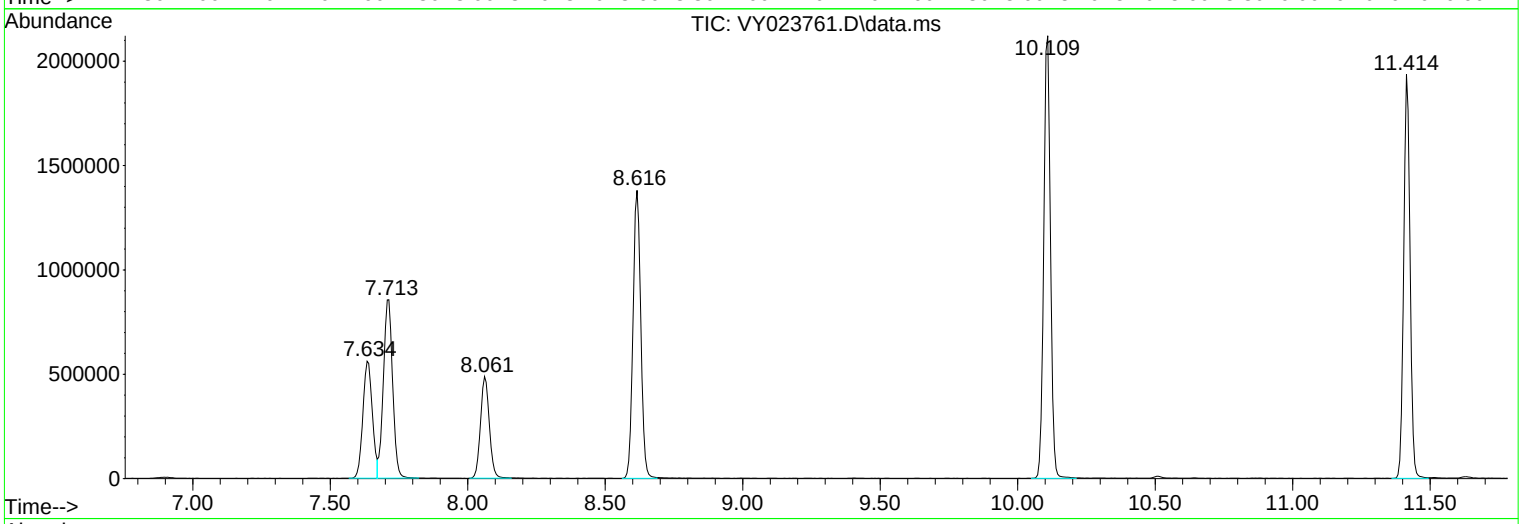
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

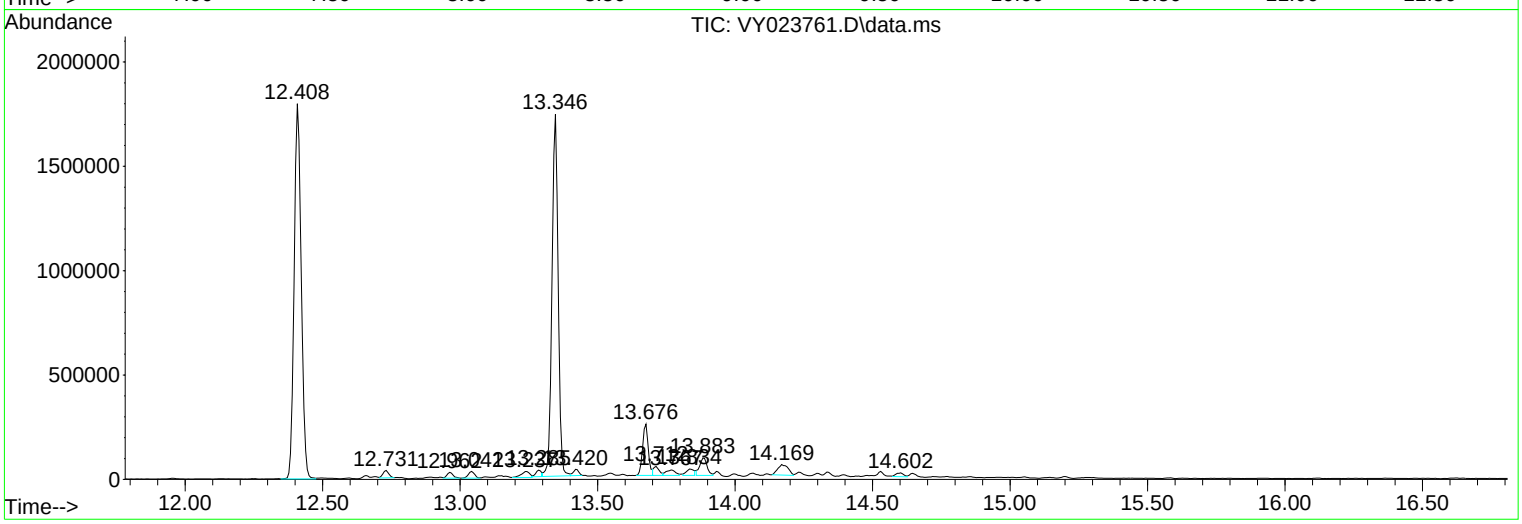
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

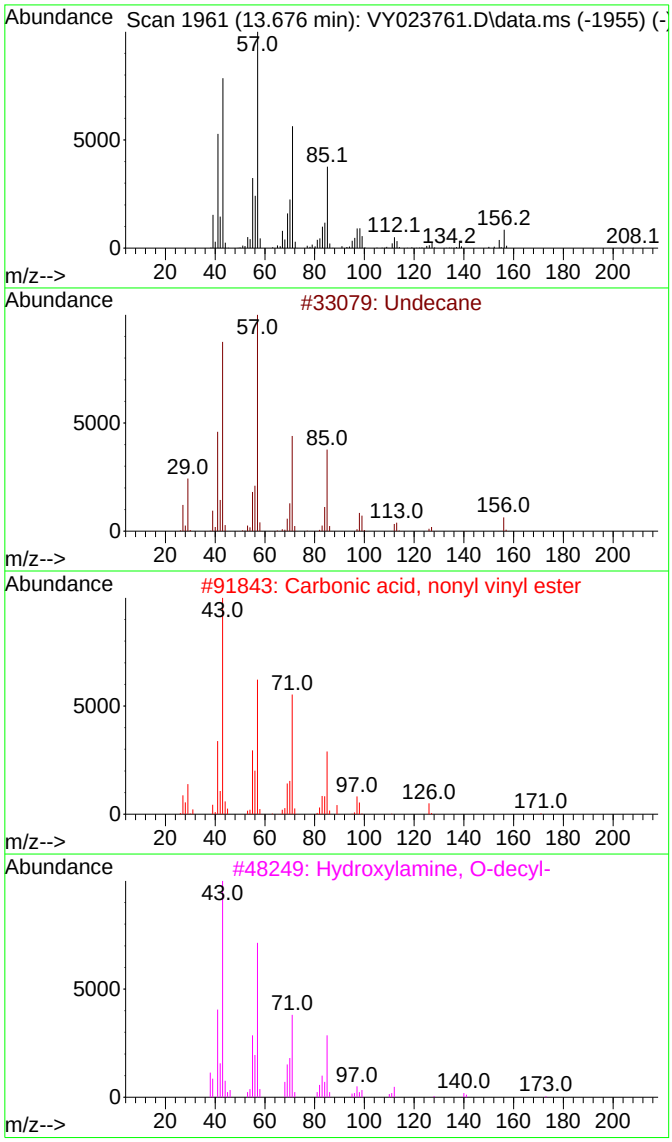
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

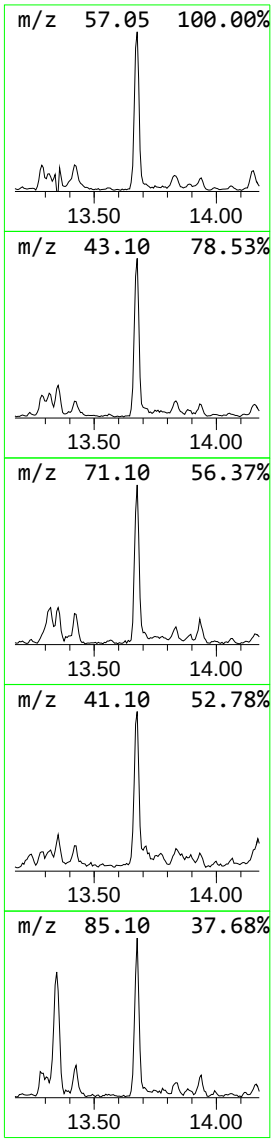
****

Peak Number 1 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	6.55 ug/l	357345	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	92
2	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	80
3	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
4	Carbonic acid, octyl prop-1-en-2...	214	C12H22O3	1000382-54-0	58
5	Carbonic acid, octyl vinyl ester	200	C11H20O3	1000383-25-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Undecane	13.676	6.5	ug/l	357345	4	13.346	2727840	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Quant Time: Nov 12 03:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	277247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	601287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	633123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	297226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	215257	60.222	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 120.440%			
35) Dibromofluoromethane	7.898	113	198257	55.071	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.140%			
50) Toluene-d8	10.325	98	733818	53.133	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.617	95	298731	57.258	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 114.520%			

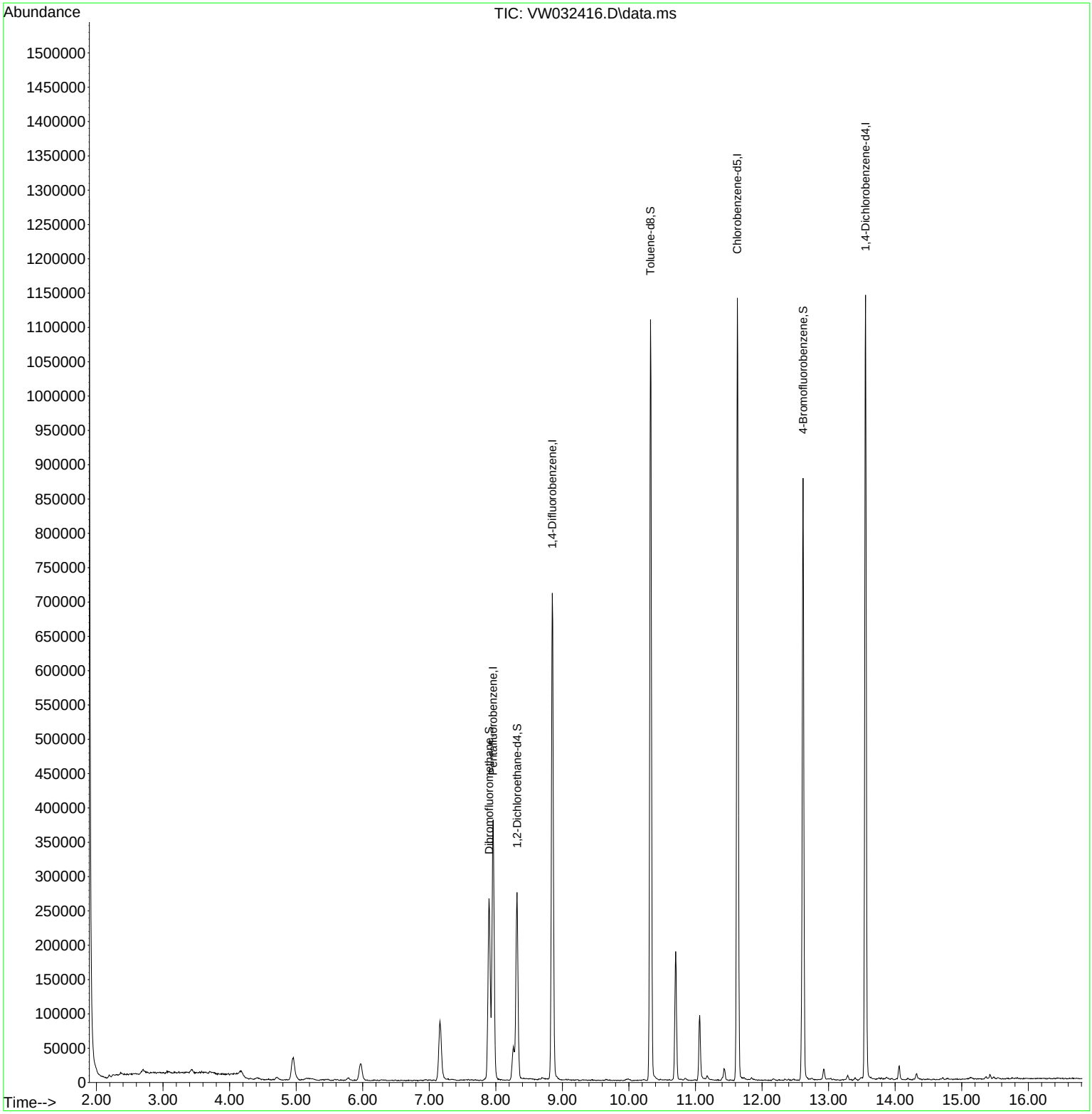
Target Compounds Qvalue

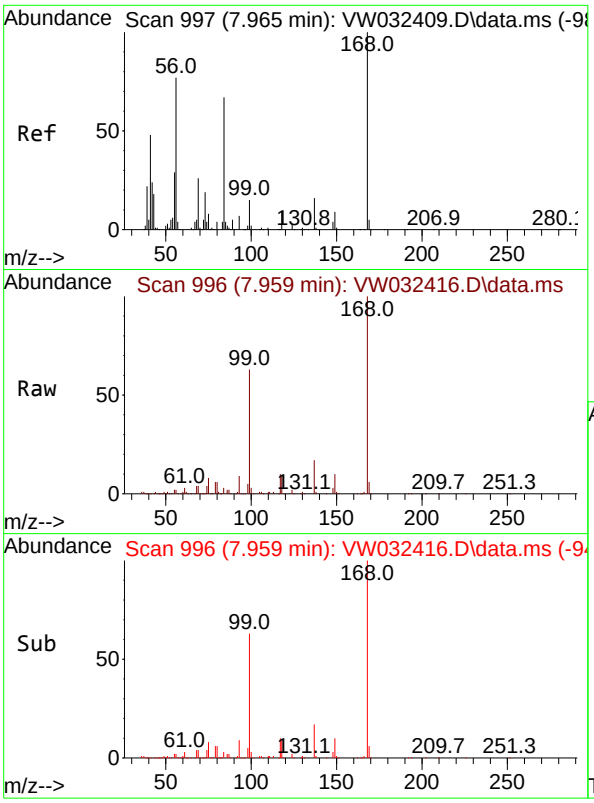
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Quant Time: Nov 12 03:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



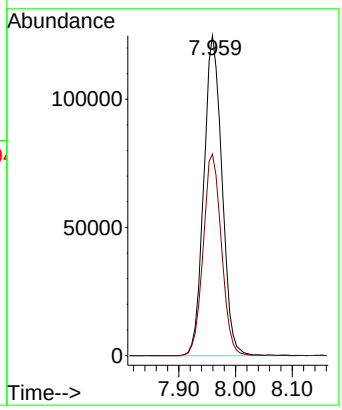


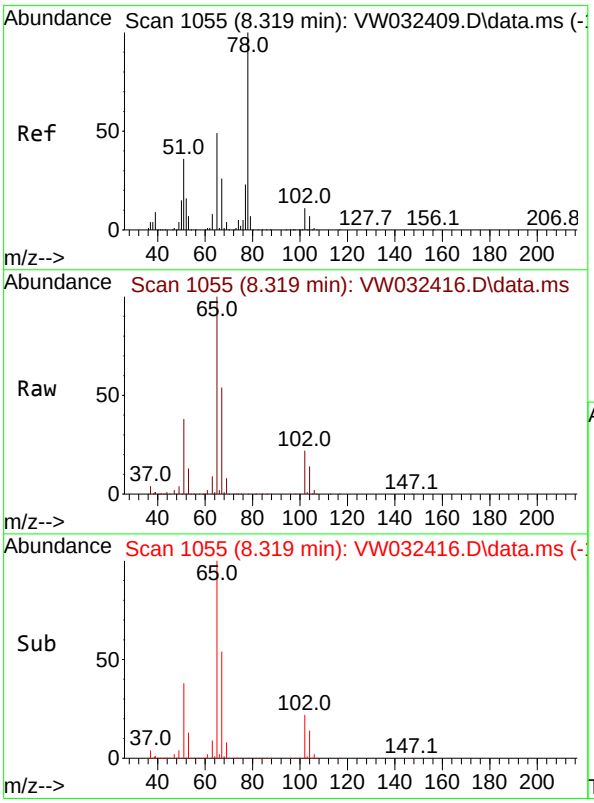
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Tgt Ion:168 Resp: 277247

Ion	Ratio	Lower	Upper
168	100		
99	63.0	45.4	68.2

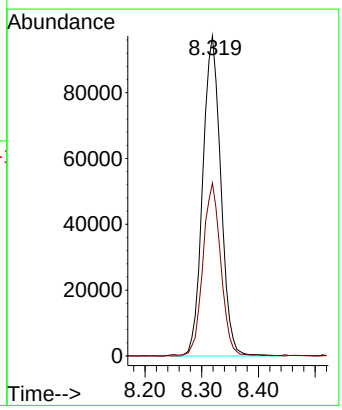


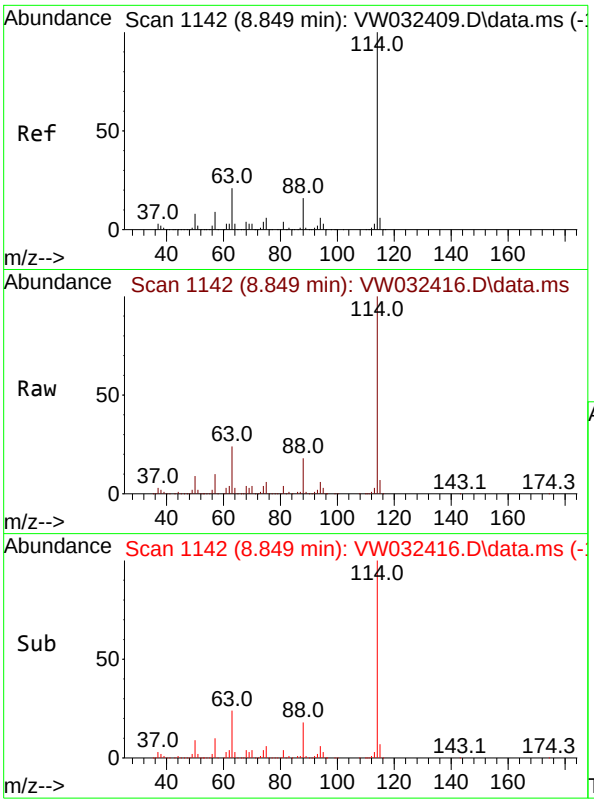


#33
1,2-Dichloroethane-d4
Concen: 60.222 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 65 Resp: 215257

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.8



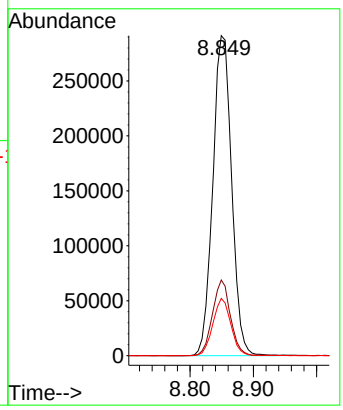


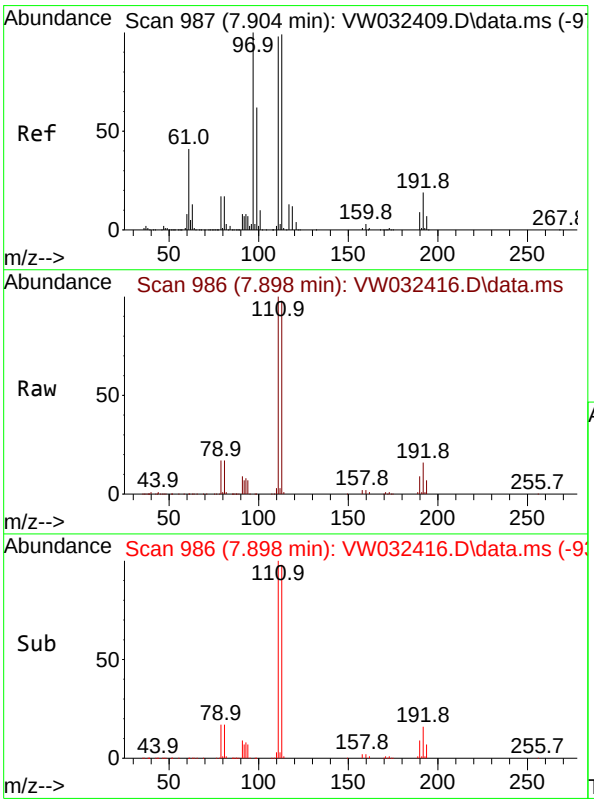
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Tgt Ion:114 Resp: 601287

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	41.8
88	17.9	0.0	32.6

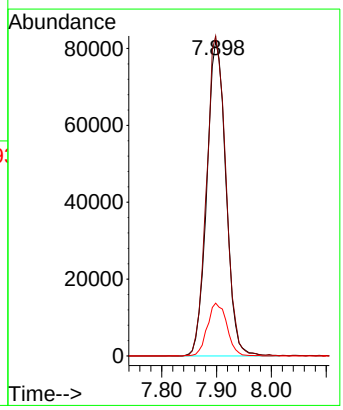


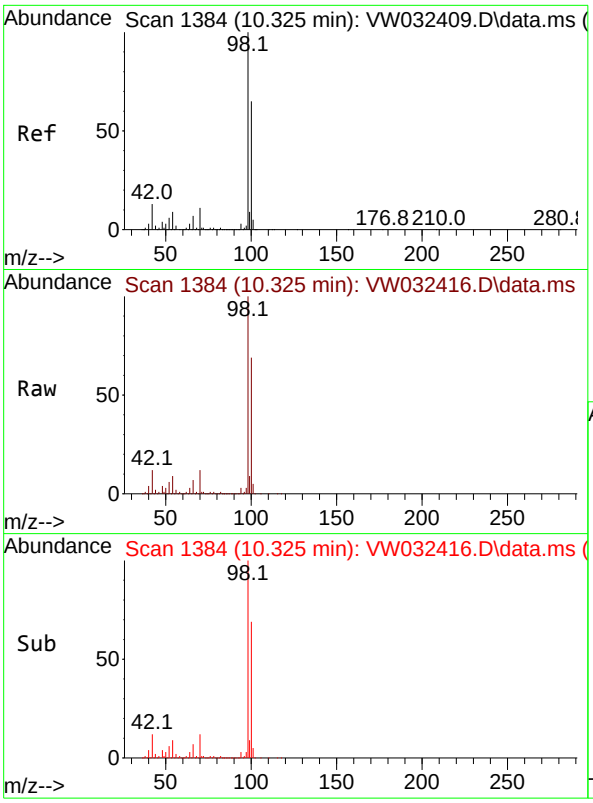


#35
Dibromofluoromethane
Concen: 55.071 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion:113 Resp: 198257

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.1	124.7
192	17.1	13.4	20.2



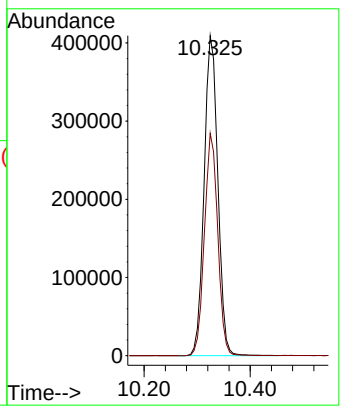


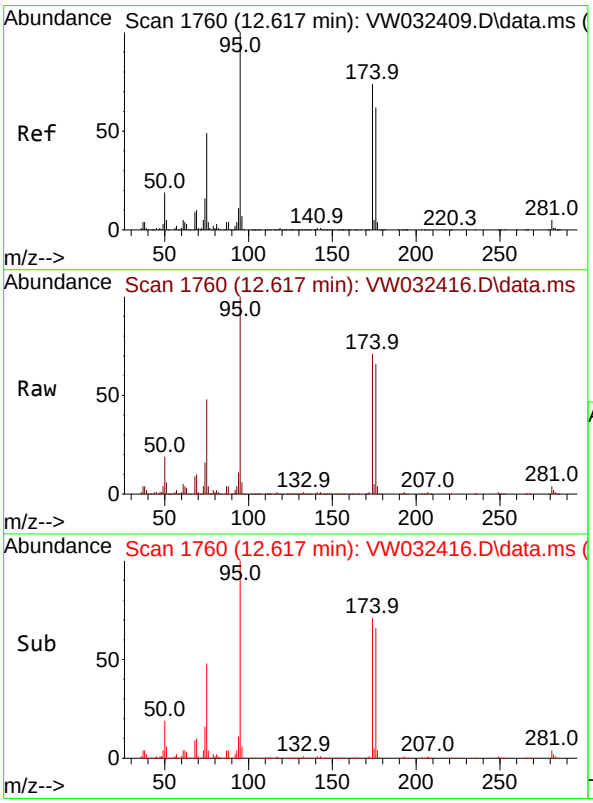
#50
Toluene-d8
Concen: 53.133 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Tgt Ion: 98 Resp: 733818

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.3	79.9

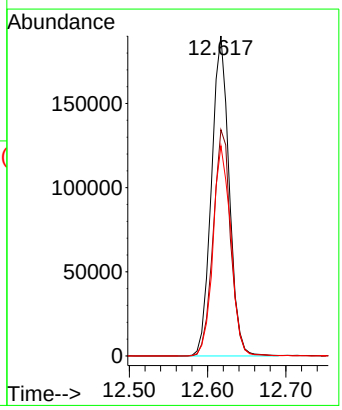


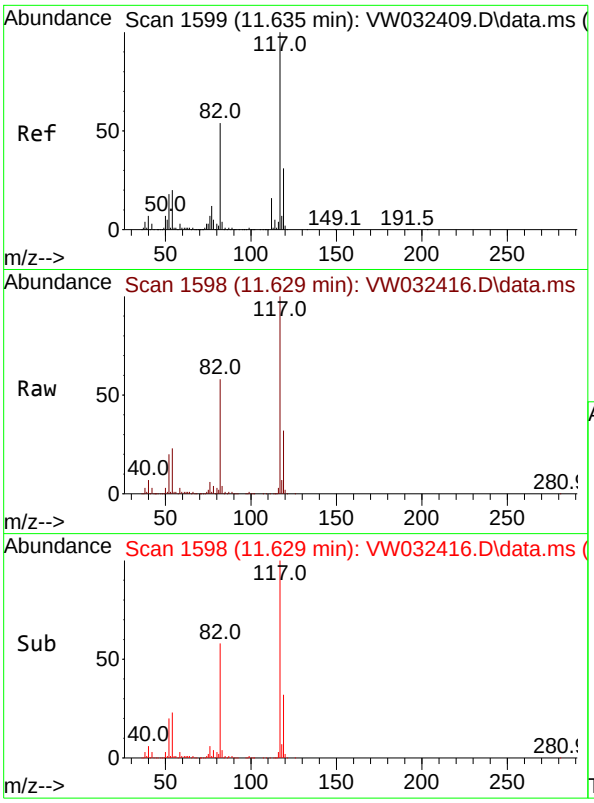


#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 95 Resp: 298731

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	135.4
176	66.1	0.0	131.8



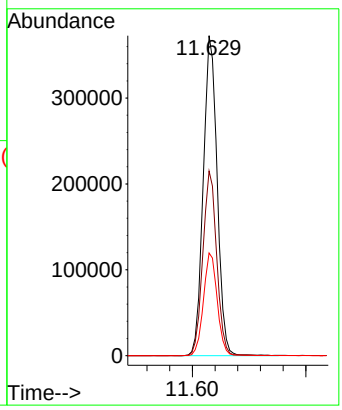


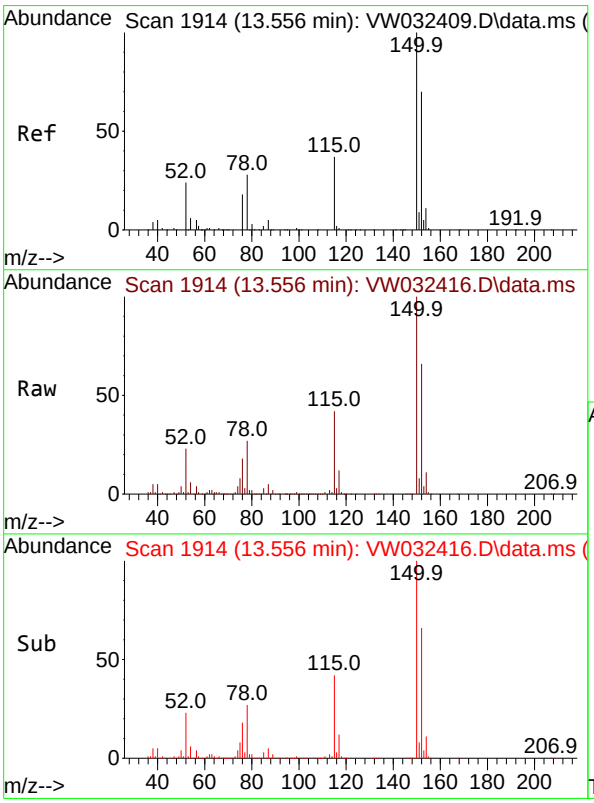
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Tgt Ion:117 Resp: 633123

Ion	Ratio	Lower	Upper
117	100		
82	57.7	43.0	64.4
119	32.1	25.0	37.6

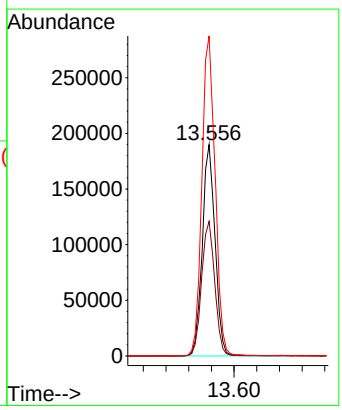




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion:152 Resp: 297226

Ion	Ratio	Lower	Upper
152	100		
115	65.4	32.8	98.3
150	157.0	0.0	356.6



Sample Results: **VW032416.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032416.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	490	504	521	rVB3	33085	121100	6.12%	1.013%
2	5.966	658	669	681	rBV4	24346	81716	4.13%	0.683%
3	7.161	855	865	882	rBV	86495	259412	13.10%	2.170%
4	7.898	976	986	991	rBV2	263338	636600	32.15%	5.324%
5	7.959	991	996	1008	rVB	378420	838706	42.36%	7.015%
6	8.264	1036	1046	1048	rBV	49118	102406	5.17%	0.857%
7	8.319	1049	1055	1069	rVB	271980	599552	30.28%	5.015%
8	8.849	1133	1142	1152	rBV	707390	1429317	72.18%	11.955%
9	10.325	1376	1384	1404	rBV	1108314	1980084	100.00%	16.561%
10	10.703	1436	1446	1456	rBV	187593	338470	17.09%	2.831%
11	11.062	1498	1505	1516	rBV	95439	175429	8.86%	1.467%
12	11.428	1557	1565	1573	rBV3	17254	37835	1.91%	0.316%
13	11.629	1590	1598	1609	rBV	1140141	1954651	98.72%	16.349%
14	12.617	1750	1760	1774	rBV2	877443	1483576	74.92%	12.409%
15	12.928	1805	1811	1818	rBV2	15070	27111	1.37%	0.227%
16	13.556	1907	1914	1926	rBV	1140484	1855850	93.73%	15.522%
17	14.062	1992	1997	2004	rVB	20050	34274	1.73%	0.287%

Sum of corrected areas: 11956089

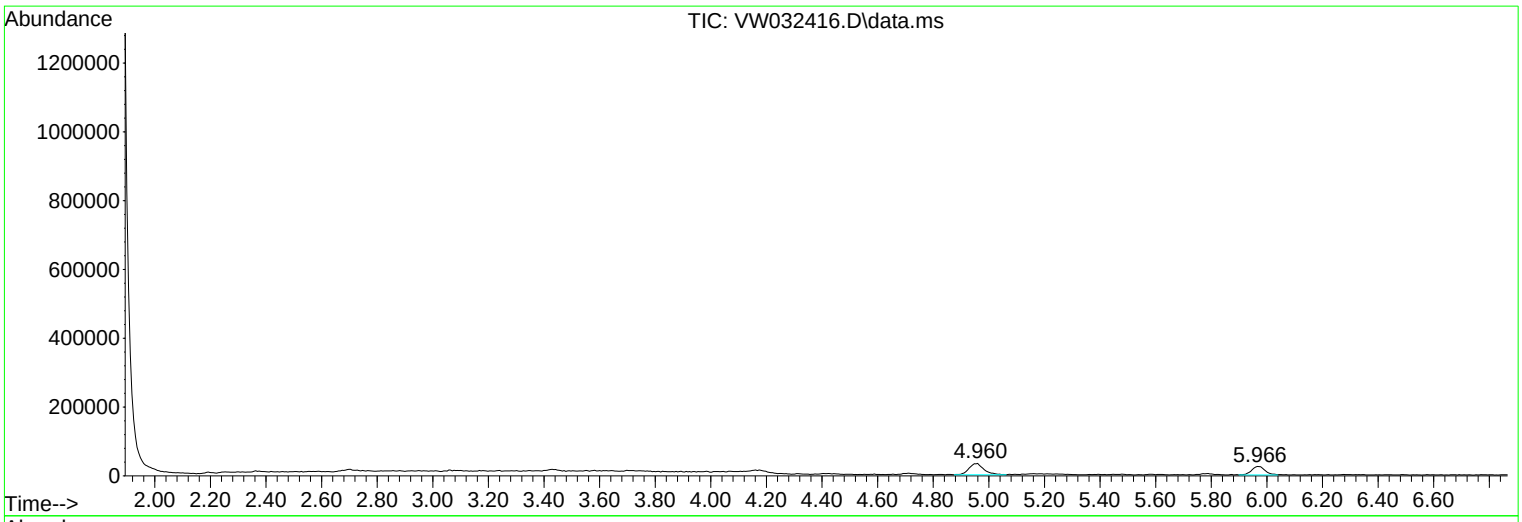
Sample Results: **VW032416.D**

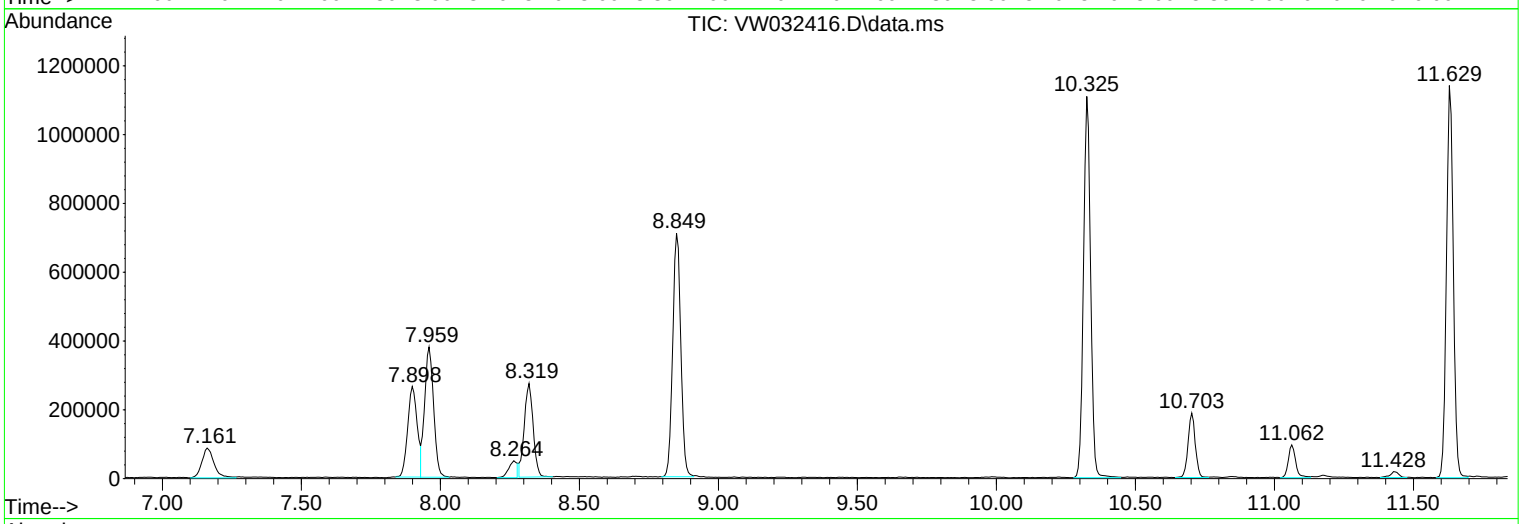
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

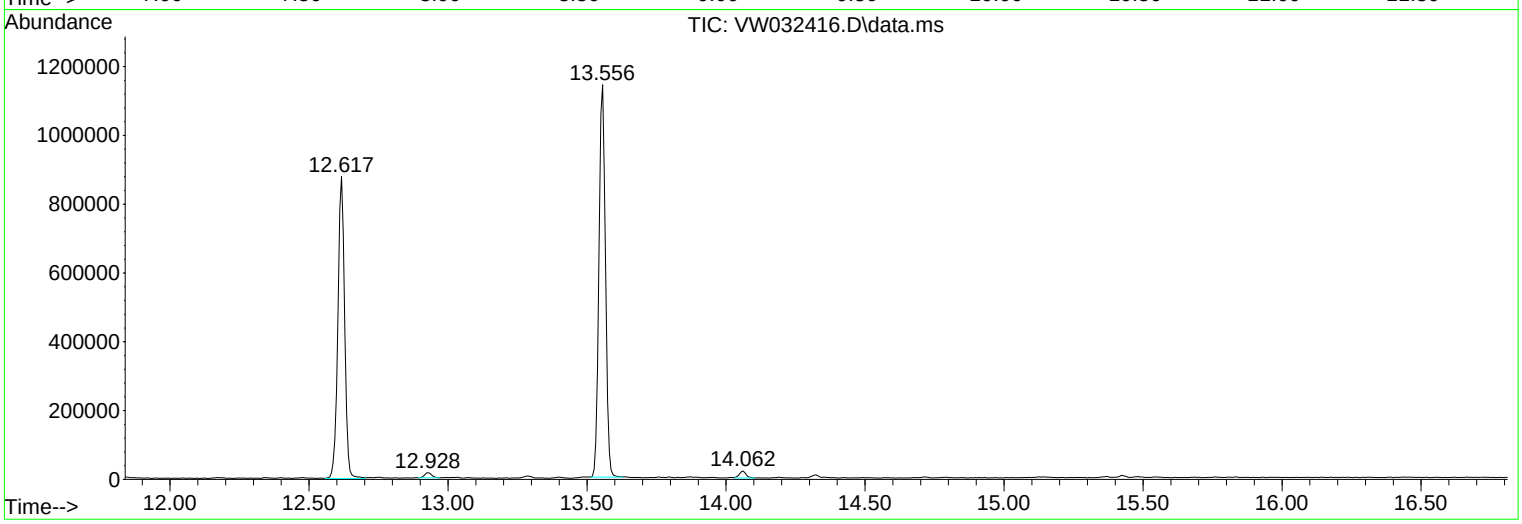
Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Quant Time: Nov 14 03:33:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	769463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1302390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1092818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	431668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376845	57.414	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.820%			
35) Dibromofluoromethane	7.640	113	415926	51.102	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.200%			
50) Toluene-d8	10.109	98	1458000	48.089	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.408	95	415705	42.398	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.800%			

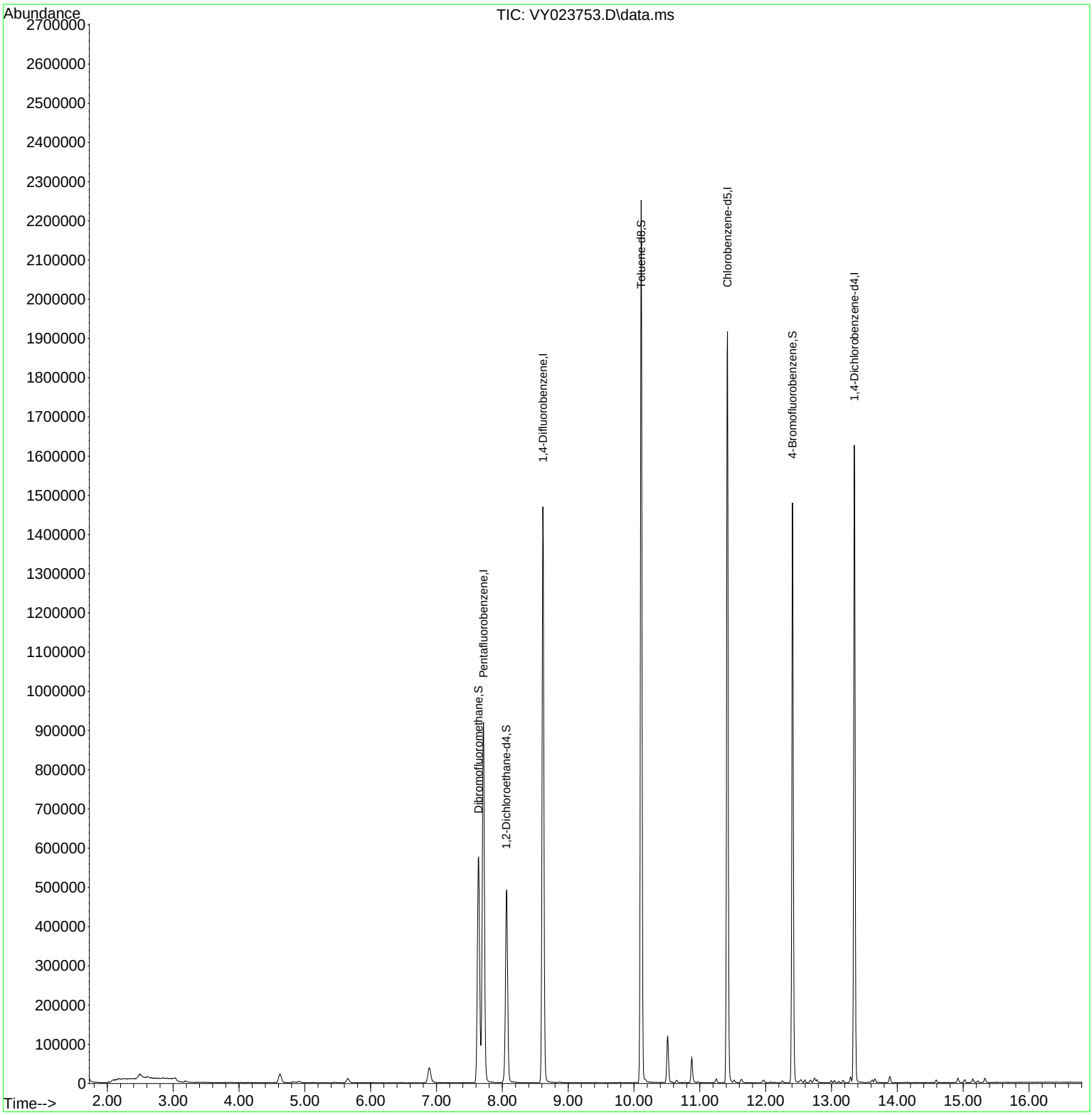
Target Compounds Qvalue

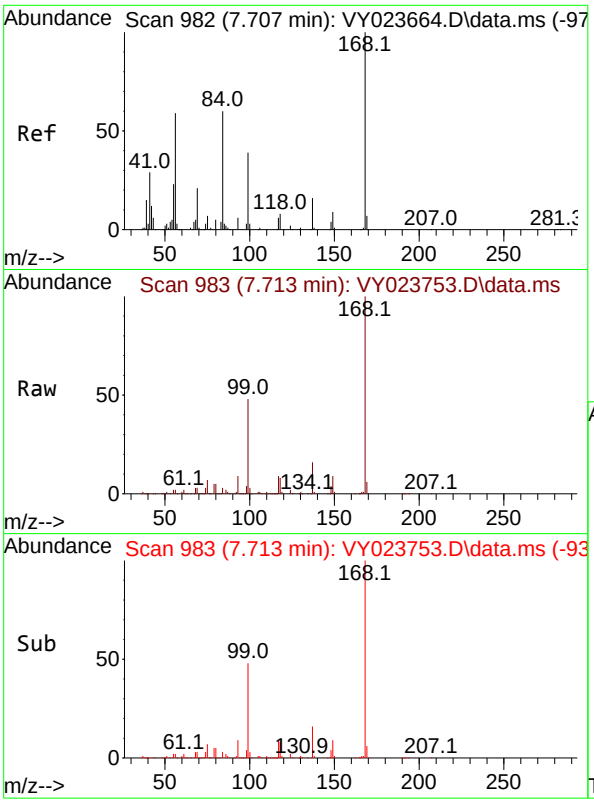
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Quant Time: Nov 14 03:33:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



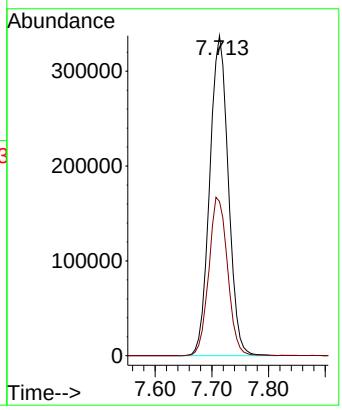


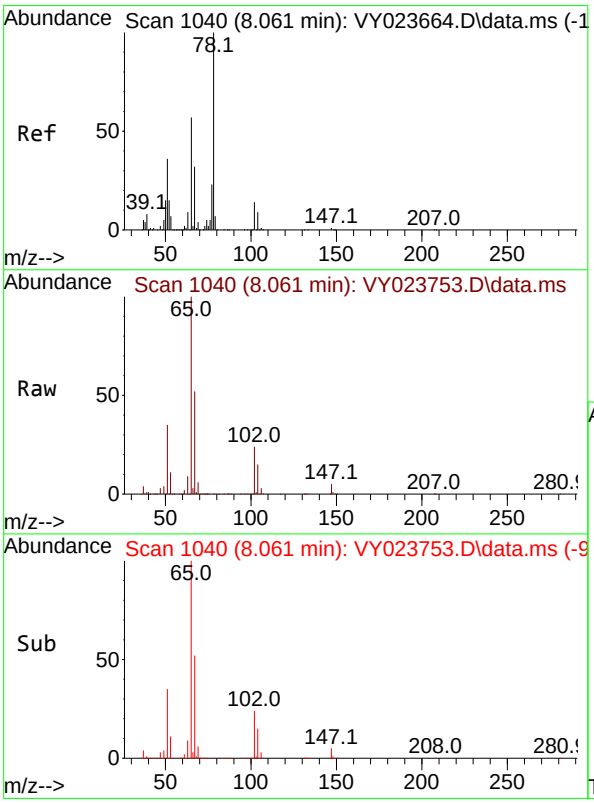
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Tgt Ion:168 Resp: 769463

Ion	Ratio	Lower	Upper
168	100		
99	48.2	41.0	61.4

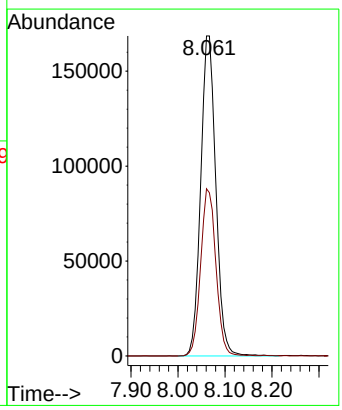


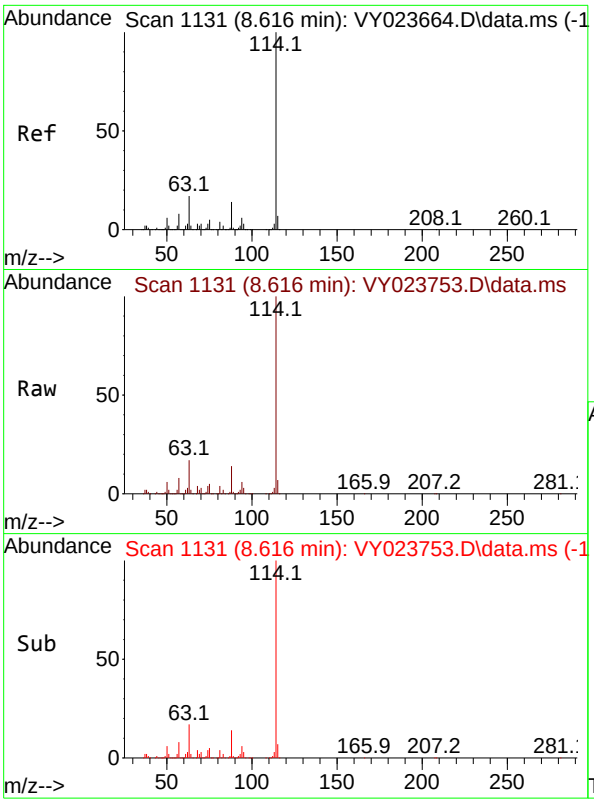


#33
1,2-Dichloroethane-d4
Concen: 57.414 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 65 Resp: 376845

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.4



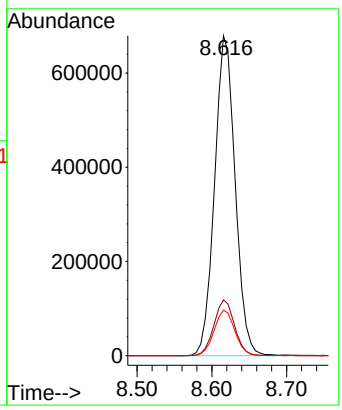


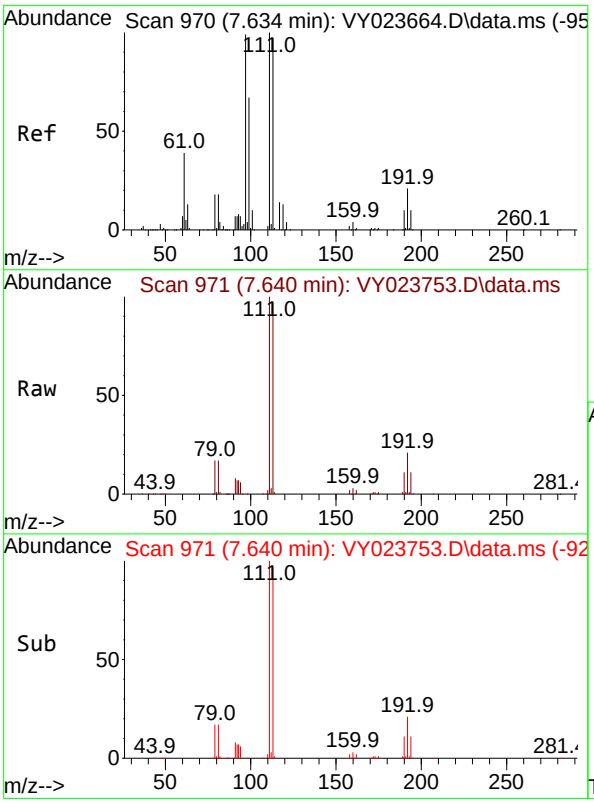
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Tgt Ion:114 Resp: 1302390

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	33.8
88	14.2	0.0	29.0

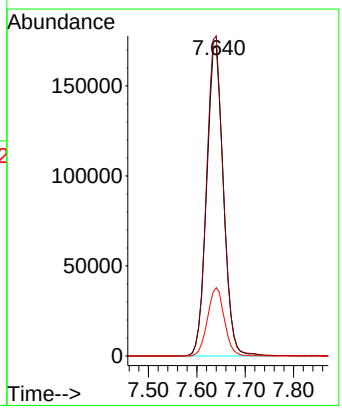


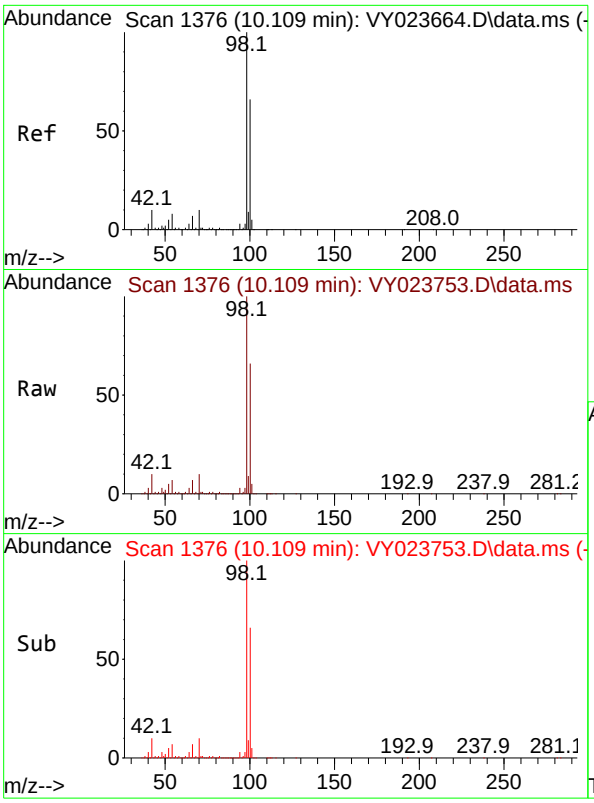


#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion:113 Resp: 415926

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	22.0	17.3	25.9



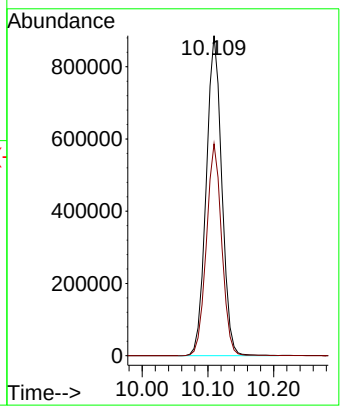


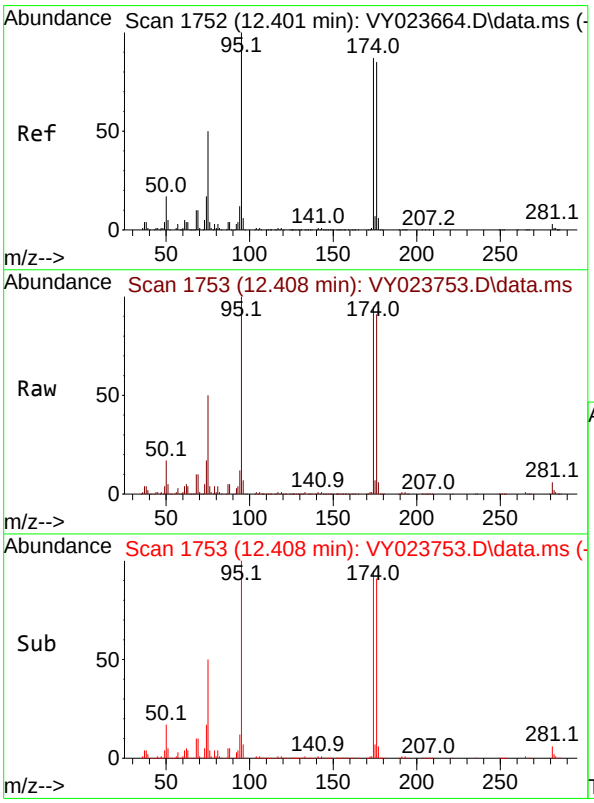
#50
Toluene-d8
Concen: 48.089 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Tgt Ion: 98 Resp: 1458000

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

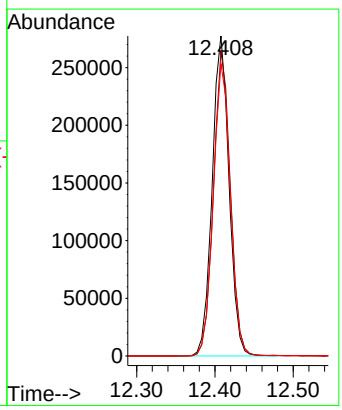


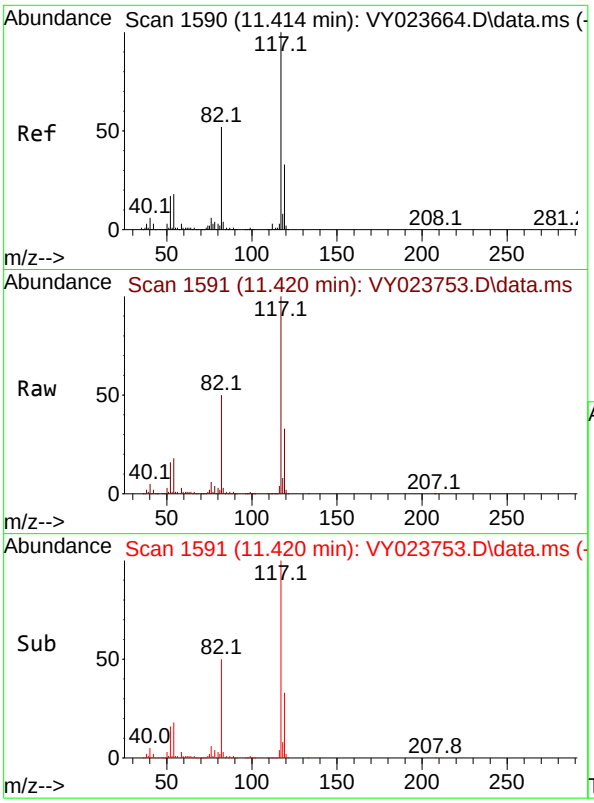


#62
4-Bromofluorobenzene
Concen: 42.398 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 95 Resp: 415705

Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	184.8
176	92.6	0.0	181.6



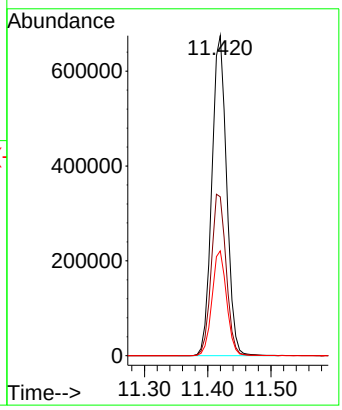


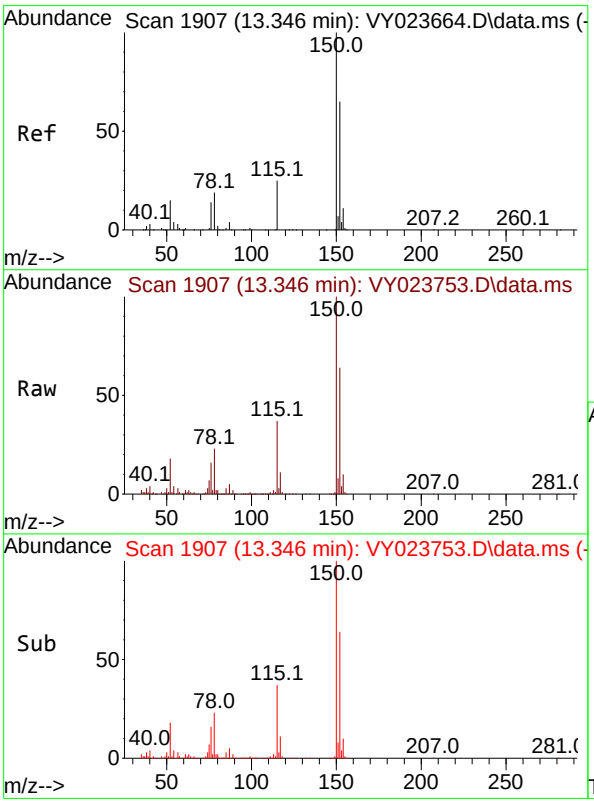
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Tgt Ion:117 Resp: 1092818

Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.2	61.8
119	32.7	26.2	39.2

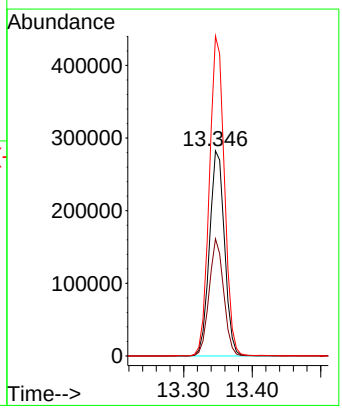




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion:152 Resp: 431668

Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.5	82.5
150	155.9	0.0	349.0



Sample Results: **VY023753.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Title : SW846 8260

Signal : TIC: VY023753.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	467	476	490	rVB3	22412	68329	1.83%	0.347%
2	6.890	836	848	860	rBV	38261	128159	3.43%	0.650%
3	7.640	957	971	976	rBV	574401	1365367	36.55%	6.929%
4	7.713	976	983	1000	rVB	918241	2141937	57.33%	10.869%
5	8.067	1026	1041	1054	rBV	492174	1139953	30.51%	5.785%
6	8.616	1121	1131	1143	rBV	1469309	2837953	75.97%	14.401%
7	10.109	1368	1376	1392	rBV	2251352	3735829	100.00%	18.957%
8	10.512	1434	1442	1451	rBV	119390	218279	5.84%	1.108%
9	10.877	1496	1502	1513	rBV	63530	111276	2.98%	0.565%
10	11.420	1583	1591	1603	rBV	1915887	3161631	84.63%	16.044%
11	12.408	1742	1753	1766	rBV2	1479362	2332645	62.44%	11.837%
12	13.346	1901	1907	1922	rVB	1625799	2465129	65.99%	12.509%

Sum of corrected areas: 19706487

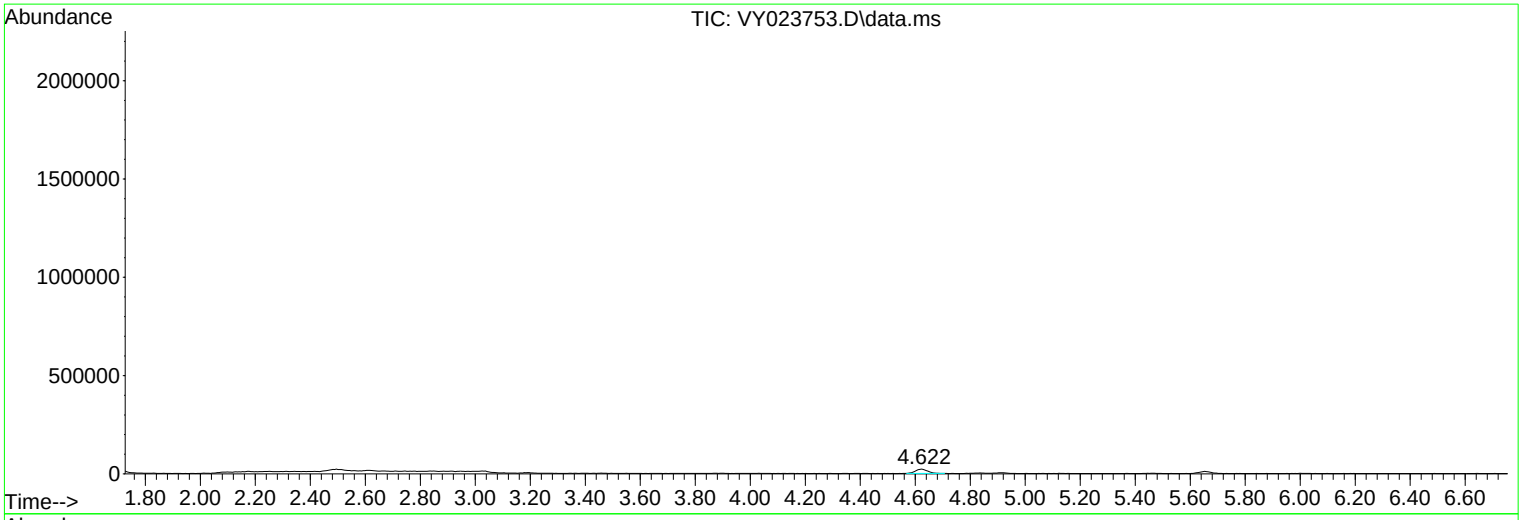
Sample Results: **VY023753.D**

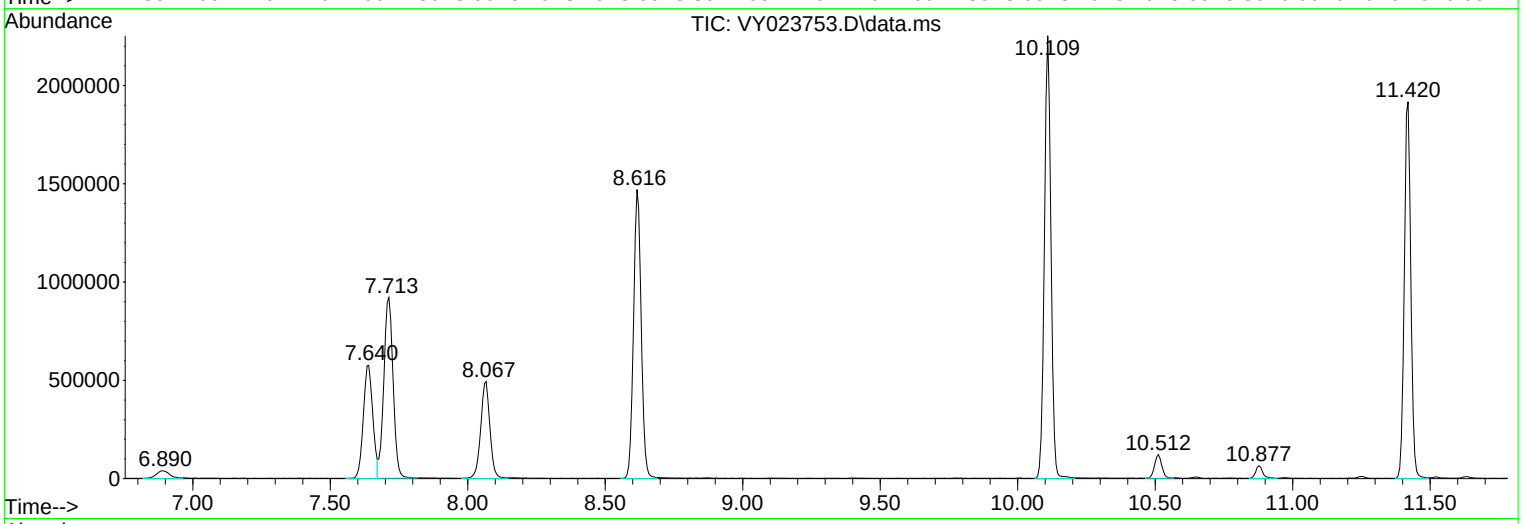
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

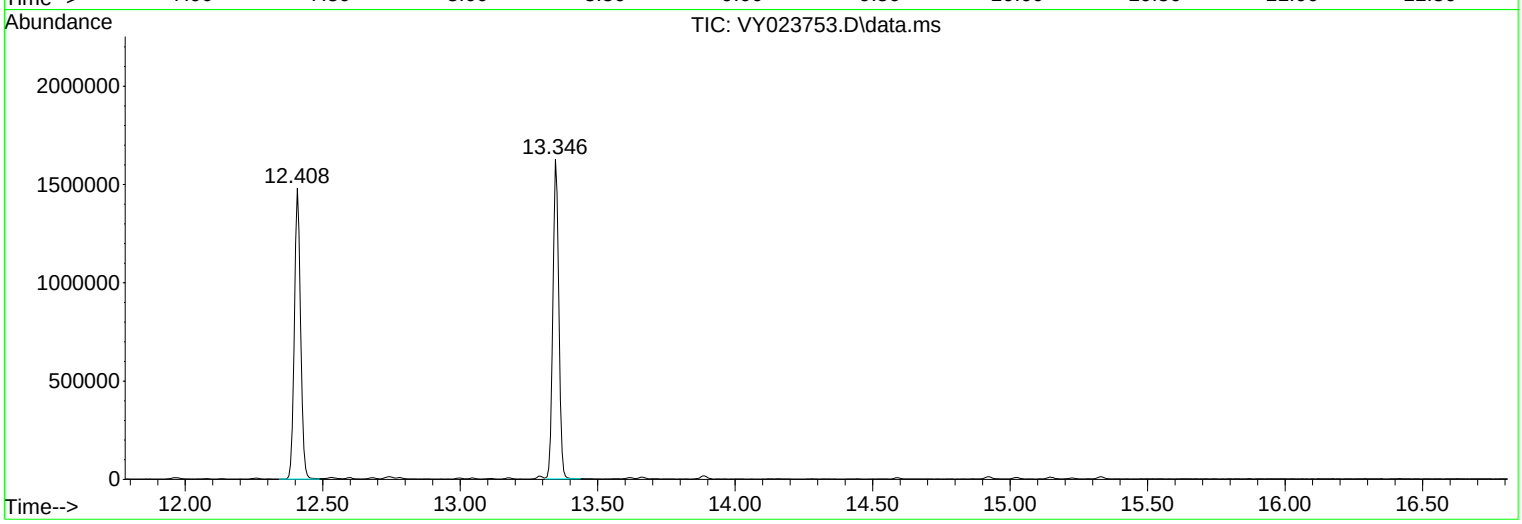
Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VY023753.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	436360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	782865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	700699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	322112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	272975	48.523	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.040%			
35) Dibromofluoromethane	7.898	113	232064	49.510	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.020%			
50) Toluene-d8	10.324	98	922037	51.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.617	95	343026	50.499	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.051	85	41489	18.740	ug/l	92
3) Chloromethane	2.253	50	78459	20.675	ug/l	99
4) Vinyl Chloride	2.405	62	100720	21.031	ug/l	94
5) Bromomethane	2.820	94	66815	20.856	ug/l	86
6) Chloroethane	2.966	64	64340	20.534	ug/l	99
7) Trichlorofluoromethane	3.307	101	68862	18.339	ug/l	93
8) Diethyl Ether	3.722	74	60131	19.587	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	87296	21.342	ug/l	97
10) Methyl Iodide	4.307	142	130946	19.877	ug/l	99
11) Tert butyl alcohol	5.209	59	39926m	82.075	ug/l	
12) 1,1-Dichloroethene	4.075	96	100130	21.349	ug/l	98
13) Acrolein	3.929	56	77344	94.763	ug/l	99
14) Allyl chloride	4.703	41	182315	20.213	ug/l	98
15) Acrylonitrile	5.404	53	162387	91.485	ug/l	99
16) Acetone	4.161	43	170667	101.402	ug/l	99
17) Carbon Disulfide	4.423	76	281977	20.341	ug/l	96
18) Methyl Acetate	4.709	43	71779	17.222	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	193164	19.538	ug/l	98
20) Methylene Chloride	4.953	84	115348	19.164	ug/l	96
21) trans-1,2-Dichloroethene	5.459	96	108024	20.142	ug/l	98
22) Diisopropyl ether	6.343	45	374441	20.390	ug/l	94
23) Vinyl Acetate	6.282	43	1207298	95.955	ug/l	99
24) 1,1-Dichloroethane	6.246	63	207089	20.583	ug/l	99
25) 2-Butanone	7.191	43	224145	90.396	ug/l	100
26) 2,2-Dichloropropane	7.191	77	112486	20.061	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	129519	20.212	ug/l	99
28) Bromochloromethane	7.526	49	92254	19.400	ug/l	99
29) Tetrahydrofuran	7.550	42	137114	87.122	ug/l	100
30) Chloroform	7.691	83	204053	20.717	ug/l	97
31) Cyclohexane	7.971	56	193811	20.824	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	146541	20.826	ug/l	99
36) 1,1-Dichloropropene	8.093	75	146806	21.257	ug/l	99
37) Ethyl Acetate	7.270	43	95387	18.575	ug/l	98
38) Carbon Tetrachloride	8.081	117	129945	21.176	ug/l	97
39) Methylcyclohexane	9.343	83	186531	20.849	ug/l	96
40) Benzene	8.337	78	465167	20.916	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	51421	18.228	ug/l		97
42) 1,2-Dichloroethane	8.410	62	132166	20.232	ug/l		100
43) Isopropyl Acetate	8.434	43	166641	18.326	ug/l		98
44) Trichloroethene	9.099	130	105263	20.340	ug/l		99
45) 1,2-Dichloropropane	9.373	63	114301	20.640	ug/l		98
46) Dibromomethane	9.465	93	65964	20.384	ug/l		98
47) Bromodichloromethane	9.648	83	148960	20.179	ug/l		96
48) Methyl methacrylate	9.440	41	82354	19.059	ug/l		99
49) 1,4-Dioxane	9.465	88	15786	348.214	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.215	43	462881	92.081	ug/l		100
52) Toluene	10.391	92	291874	21.247	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	148545	19.539	ug/l		99
54) cis-1,3-Dichloropropene	10.074	75	177591	20.200	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	88696	19.979	ug/l		96
56) Ethyl methacrylate	10.647	69	126877	18.627	ug/l		99
57) 1,3-Dichloropropane	10.934	76	160122	20.194	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	354300	97.670	ug/l		100
59) 2-Hexanone	10.971	43	337174	91.677	ug/l		98
60) Dibromochloromethane	11.129	129	94974	19.157	ug/l		99
61) 1,2-Dibromoethane	11.233	107	84500	19.543	ug/l		96
64) Tetrachloroethene	10.861	164	88528	21.335	ug/l		88
65) Chlorobenzene	11.659	112	312387	20.684	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.726	131	94205	20.155	ug/l		98
67) Ethyl Benzene	11.726	91	536421	20.528	ug/l		100
68) m/p-Xylenes	11.836	106	410106	41.799	ug/l		98
69) o-Xylene	12.165	106	187804	19.991	ug/l		97
70) Styrene	12.178	104	337079	20.858	ug/l		100
71) Bromoform	12.348	173	50121	18.105	ug/l	#	99
73) Isopropylbenzene	12.464	105	489968	20.711	ug/l		100
74) N-amyl acetate	12.269	43	152380	18.536	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	108555	19.335	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	79285m	17.951	ug/l		
77) Bromobenzene	12.745	156	117001	20.889	ug/l		98
78) n-propylbenzene	12.799	91	621805	21.583	ug/l		98
79) 2-Chlorotoluene	12.891	91	363914	20.692	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	409190	20.966	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	34259	17.766	ug/l		94
82) 4-Chlorotoluene	12.982	91	390845	21.367	ug/l		100
83) tert-Butylbenzene	13.202	119	359916	21.199	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	418744	21.094	ug/l		99
85) sec-Butylbenzene	13.379	105	533899	21.115	ug/l		99
86) p-Isopropyltoluene	13.494	119	442367	21.189	ug/l		99
87) 1,3-Dichlorobenzene	13.494	146	234557	22.087	ug/l		94
88) 1,4-Dichlorobenzene	13.574	146	226602	20.828	ug/l		98
89) n-Butylbenzene	13.818	91	428538	21.011	ug/l		99
90) Hexachloroethane	14.086	117	77763	20.659	ug/l		98
91) 1,2-Dichlorobenzene	13.866	146	194313	19.932	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	17241	17.826	ug/l		97
93) 1,2,4-Trichlorobenzene	15.122	180	127042	20.478	ug/l		100
94) Hexachlorobutadiene	15.226	225	54540	21.164	ug/l		92
95) Naphthalene	15.360	128	283464	18.323	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	108438	19.253	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

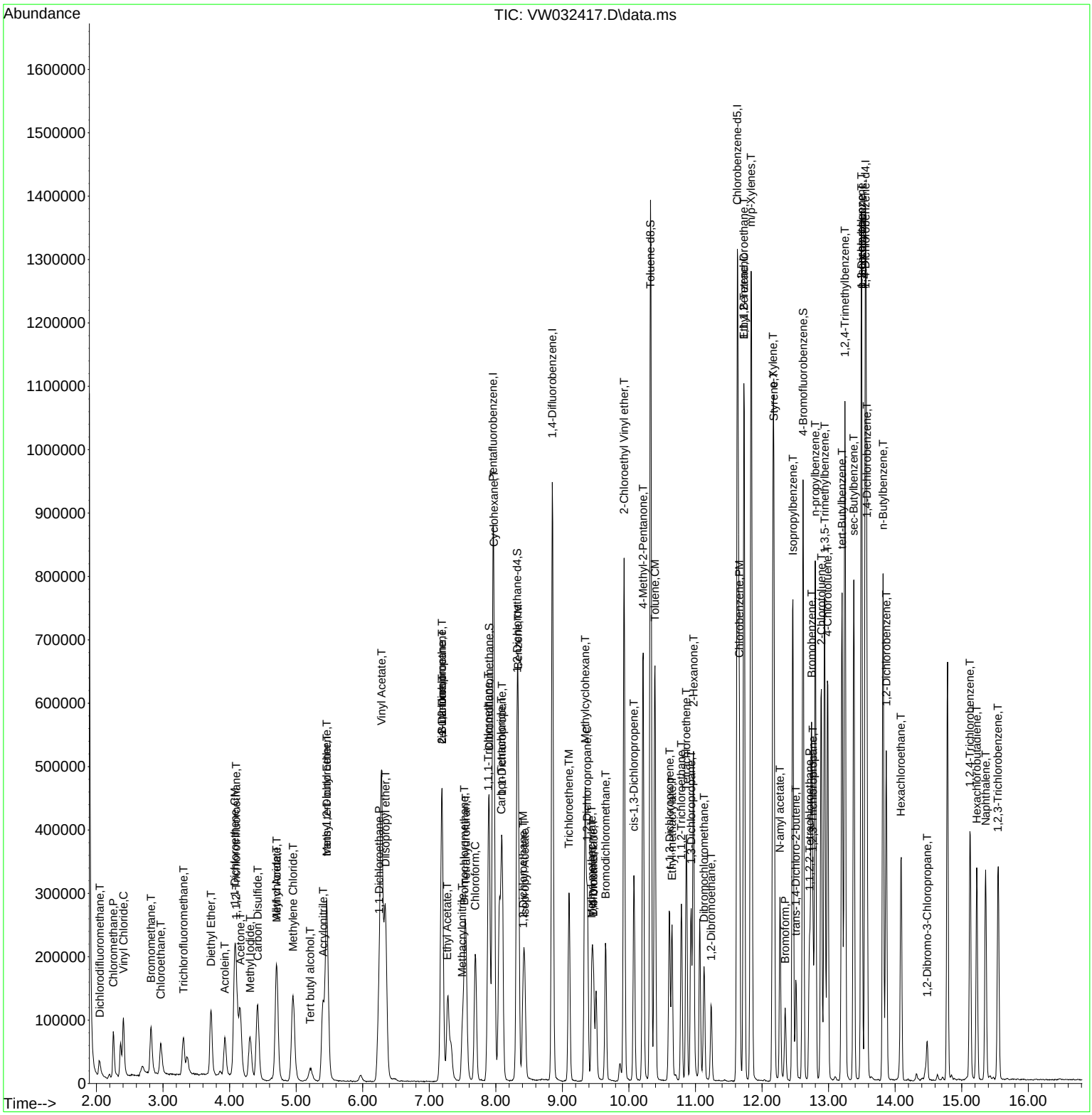
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	546007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	796865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	695921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	358224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	230153	49.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.840%			
35) Dibromofluoromethane	7.634	113	251781	50.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.120%			
50) Toluene-d8	10.109	98	950745	51.252	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.408	95	310594	51.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75861	21.166	ug/l	96
3) Chloromethane	2.074	50	95473	19.035	ug/l	98
4) Vinyl Chloride	2.208	62	125898	19.291	ug/l	99
5) Bromomethane	2.592	94	110591	20.145	ug/l	98
6) Chloroethane	2.739	64	86569	19.192	ug/l	99
7) Trichlorofluoromethane	3.062	101	193065	21.004	ug/l	99
8) Diethyl Ether	3.458	74	51199	20.771	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	103910	20.518	ug/l	99
10) Methyl Iodide	4.007	142	104268	17.436	ug/l	100
11) Tert butyl alcohol	4.854	59	32054	106.733	ug/l	98
12) 1,1-Dichloroethene	3.793	96	96315	19.743	ug/l	94
13) Acrolein	3.659	56	32635	84.546	ug/l	95
14) Allyl chloride	4.385	41	116750	19.662	ug/l	99
15) Acrylonitrile	5.061	53	95226	101.091	ug/l	98
16) Acetone	3.866	43	131027	113.177	ug/l	96
17) Carbon Disulfide	4.110	76	295046	19.705	ug/l	100
18) Methyl Acetate	4.391	43	39801	15.586	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	223019	19.715	ug/l	99
20) Methylene Chloride	4.622	84	112698	20.165	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	108183	19.668	ug/l	98
22) Diisopropyl ether	6.018	45	268058	20.260	ug/l	92
23) Vinyl Acetate	5.964	43	743253	105.267	ug/l	99
24) 1,1-Dichloroethane	5.915	63	175299	19.888	ug/l	99
25) 2-Butanone	6.896	43	143833	107.456	ug/l	99
26) 2,2-Dichloropropane	6.890	77	160319	19.773	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	123095	19.595	ug/l	100
28) Bromochloromethane	7.250	49	68160	20.196	ug/l	99
29) Tetrahydrofuran	7.262	42	70757	99.258	ug/l	100
30) Chloroform	7.427	83	192666	19.591	ug/l	99
31) Cyclohexane	7.701	56	152164	19.823	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	176895	20.125	ug/l	100
36) 1,1-Dichloropropene	7.835	75	136108	20.454	ug/l	99
37) Ethyl Acetate	6.988	43	55113	21.394	ug/l	96
38) Carbon Tetrachloride	7.823	117	160196	20.432	ug/l	98
39) Methylcyclohexane	9.109	83	170328	20.032	ug/l	98
40) Benzene	8.079	78	422366	20.136	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	26488	18.837	ug/l		93
42) 1,2-Dichloroethane	8.158	62	107624	20.281	ug/l		98
43) Isopropyl Acetate	8.195	43	98243	20.297	ug/l		98
44) Trichloroethene	8.866	130	121333	20.140	ug/l		100
45) 1,2-Dichloropropane	9.140	63	91399	19.744	ug/l		100
46) Dibromomethane	9.231	93	56733	19.779	ug/l		99
47) Bromodichloromethane	9.426	83	146486	20.256	ug/l		98
48) Methyl methacrylate	9.225	41	42932	18.774	ug/l		93
49) 1,4-Dioxane	9.231	88	11767	400.867	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	266672	103.601	ug/l		99
52) Toluene	10.170	92	275871	20.601	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	121908	19.923	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	146970	20.047	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	75882	19.796	ug/l		98
56) Ethyl methacrylate	10.438	69	85323	20.203	ug/l		99
57) 1,3-Dichloropropane	10.719	76	123192	20.262	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	192429	99.292	ug/l		100
59) 2-Hexanone	10.762	43	202789	107.985	ug/l		99
60) Dibromochloromethane	10.914	129	105980	20.122	ug/l		100
61) 1,2-Dibromoethane	11.018	107	72340	20.109	ug/l		99
64) Tetrachloroethene	10.646	164	144882	20.002	ug/l		95
65) Chlorobenzene	11.444	112	300999	19.868	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	105628	19.717	ug/l		98
67) Ethyl Benzene	11.518	91	495224	20.197	ug/l		97
68) m/p-Xylenes	11.627	106	401550	40.988	ug/l		100
69) o-Xylene	11.956	106	179658	19.839	ug/l		99
70) Styrene	11.969	104	300983	20.144	ug/l		100
71) Bromoform	12.133	173	63763	20.379	ug/l	#	99
73) Isopropylbenzene	12.255	105	475092	19.830	ug/l		100
74) N-amyl acetate	12.072	43	78890	19.449	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	75530	19.739	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	59053m	20.369	ug/l		
77) Bromobenzene	12.536	156	121816	19.601	ug/l		98
78) n-propylbenzene	12.597	91	562853	19.972	ug/l		99
79) 2-Chlorotoluene	12.682	91	322130	19.698	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	392909	20.184	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	25027	19.509	ug/l		99
82) 4-Chlorotoluene	12.779	91	338093	20.047	ug/l		100
83) tert-Butylbenzene	12.999	119	342262	19.305	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	390413	20.249	ug/l		100
85) sec-Butylbenzene	13.176	105	516942	20.215	ug/l		100
86) p-Isopropyltoluene	13.292	119	432225	19.966	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	236767	19.357	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	235098	19.566	ug/l		99
89) n-Butylbenzene	13.621	91	370888	19.703	ug/l		100
90) Hexachloroethane	13.883	117	90499	19.454	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	206816	19.620	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10802	18.334	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	112897	18.724	ug/l		100
94) Hexachlorobutadiene	15.023	225	74687	18.905	ug/l		98
95) Naphthalene	15.145	128	164618	19.235	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	95857	19.028	ug/l		99

Sample Results: **VY023754.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

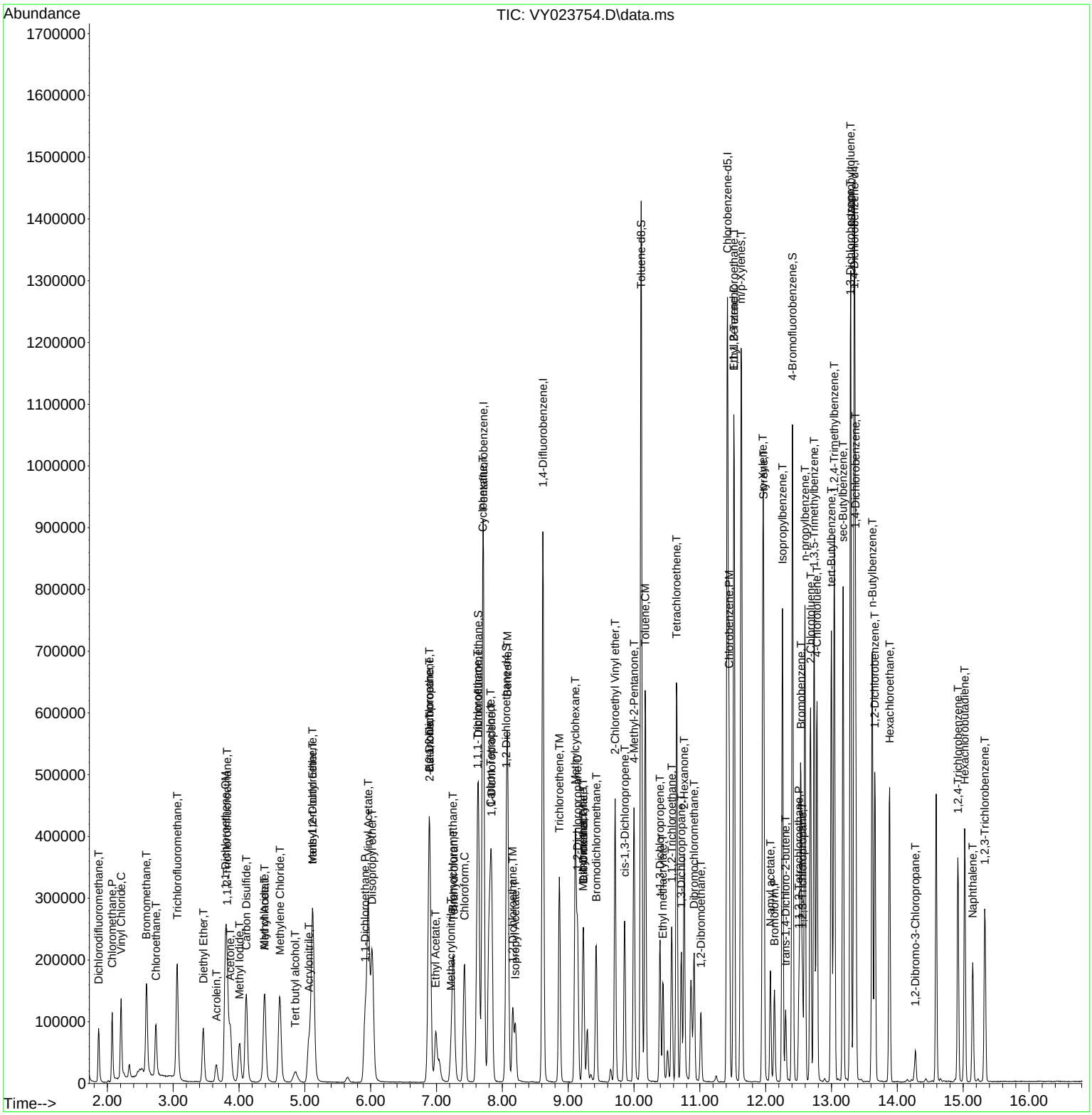
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1112SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	419398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	800811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	702782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	321153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	273700	50.619	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.240%			
35) Dibromofluoromethane	7.904	113	226016	47.139	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.280%			
50) Toluene-d8	10.325	98	883581	48.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.617	95	324060	46.638	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	36690	17.243	ug/l	98
3) Chloromethane	2.253	50	74732	20.490	ug/l	100
4) Vinyl Chloride	2.405	62	93282	20.265	ug/l	98
5) Bromomethane	2.814	94	64959	21.097	ug/l	93
6) Chloroethane	2.966	64	61667	20.477	ug/l	96
7) Trichlorofluoromethane	3.301	101	72929	20.208	ug/l	99
8) Diethyl Ether	3.722	74	60006	20.337	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	78883	20.065	ug/l	99
10) Methyl Iodide	4.307	142	130307	20.579	ug/l	98
11) Tert butyl alcohol	5.216	59	46510	99.477	ug/l	99
12) 1,1-Dichloroethene	4.076	96	91532	20.305	ug/l	98
13) Acrolein	3.936	56	83157	106.006	ug/l	100
14) Allyl chloride	4.710	41	177040	20.422	ug/l	98
15) Acrylonitrile	5.405	53	170008	99.653	ug/l	98
16) Acetone	4.161	43	182602	112.881	ug/l	99
17) Carbon Disulfide	4.417	76	273905	20.558	ug/l	97
18) Methyl Acetate	4.710	43	79050	19.734	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	197454	20.779	ug/l	99
20) Methylene Chloride	4.954	84	112776	19.494	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	105086	20.387	ug/l	98
22) Diisopropyl ether	6.338	45	375229	21.259	ug/l	96
23) Vinyl Acetate	6.283	43	1261647	104.330	ug/l	97
24) 1,1-Dichloroethane	6.252	63	198973	20.576	ug/l	99
25) 2-Butanone	7.197	43	253333	106.299	ug/l	99
26) 2,2-Dichloropropane	7.191	77	108403	20.114	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	125703	20.409	ug/l	98
28) Bromochloromethane	7.532	49	93614	20.482	ug/l	99
29) Tetrahydrofuran	7.551	42	153863	101.718	ug/l	99
30) Chloroform	7.697	83	198684	20.988	ug/l	99
31) Cyclohexane	7.971	56	178622	19.968	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	141908	20.984	ug/l	98
36) 1,1-Dichloropropene	8.099	75	140998	19.959	ug/l	99
37) Ethyl Acetate	7.276	43	100549	19.141	ug/l	99
38) Carbon Tetrachloride	8.081	117	124977	19.910	ug/l	91
39) Methylcyclohexane	9.343	83	177867	19.435	ug/l	96
40) Benzene	8.337	78	448366	19.708	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	59648	20.670	ug/l		95
42) 1,2-Dichloroethane	8.410	62	133173	19.929	ug/l		99
43) Isopropyl Acetate	8.435	43	184803	19.868	ug/l		100
44) Trichloroethene	9.099	130	103283	19.510	ug/l		99
45) 1,2-Dichloropropane	9.380	63	111670	19.713	ug/l		99
46) Dibromomethane	9.465	93	65788	19.874	ug/l		96
47) Bromodichloromethane	9.654	83	151191	20.022	ug/l		98
48) Methyl methacrylate	9.441	41	82916	18.759	ug/l		95
49) 1,4-Dioxane	9.471	88	17159	370.018	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.215	43	516256	100.397	ug/l		100
52) Toluene	10.392	92	277679	19.760	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	150828	19.395	ug/l		95
54) cis-1,3-Dichloropropene	10.081	75	174953	19.454	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	91425	20.132	ug/l		94
56) Ethyl methacrylate	10.648	69	133070	19.098	ug/l		99
57) 1,3-Dichloropropane	10.934	76	162811	20.073	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	374443	100.910	ug/l		100
59) 2-Hexanone	10.971	43	379060	100.756	ug/l		99
60) Dibromochloromethane	11.129	129	99792	19.678	ug/l		99
61) 1,2-Dibromoethane	11.239	107	87650	19.817	ug/l		96
64) Tetrachloroethene	10.867	164	85265	20.488	ug/l		89
65) Chlorobenzene	11.654	112	297697	19.653	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	92643	19.762	ug/l		99
67) Ethyl Benzene	11.727	91	525915	20.066	ug/l		98
68) m/p-Xylenes	11.837	106	403624	41.016	ug/l		98
69) o-Xylene	12.166	106	188000	19.953	ug/l		100
70) Styrene	12.178	104	319683	19.723	ug/l		99
71) Bromoform	12.349	173	54244	19.536	ug/l	#	99
73) Isopropylbenzene	12.464	105	481887	20.430	ug/l		98
74) N-amyl acetate	12.269	43	164118	20.024	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	115575	20.647	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	84270m	19.137	ug/l		
77) Bromobenzene	12.745	156	109510	19.610	ug/l		92
78) n-propylbenzene	12.800	91	601404	20.937	ug/l		98
79) 2-Chlorotoluene	12.891	91	363834	20.749	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	398351	20.471	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	38164	19.850	ug/l		98
82) 4-Chlorotoluene	12.989	91	377160	20.680	ug/l		98
83) tert-Butylbenzene	13.202	119	342260	20.219	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	409387	20.685	ug/l		99
85) sec-Butylbenzene	13.379	105	502121	19.918	ug/l		100
86) p-Isopropyltoluene	13.495	119	417419	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	220539	20.829	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	223516	20.605	ug/l		98
89) n-Butylbenzene	13.818	91	412879	20.303	ug/l		99
90) Hexachloroethane	14.086	117	77624	20.684	ug/l		90
91) 1,2-Dichlorobenzene	13.867	146	203564	20.943	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	19683	20.411	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	123783	20.013	ug/l		95
94) Hexachlorobutadiene	15.226	225	54615	21.257	ug/l		97
95) Naphthalene	15.360	128	303247	19.660	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	113920	20.287	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

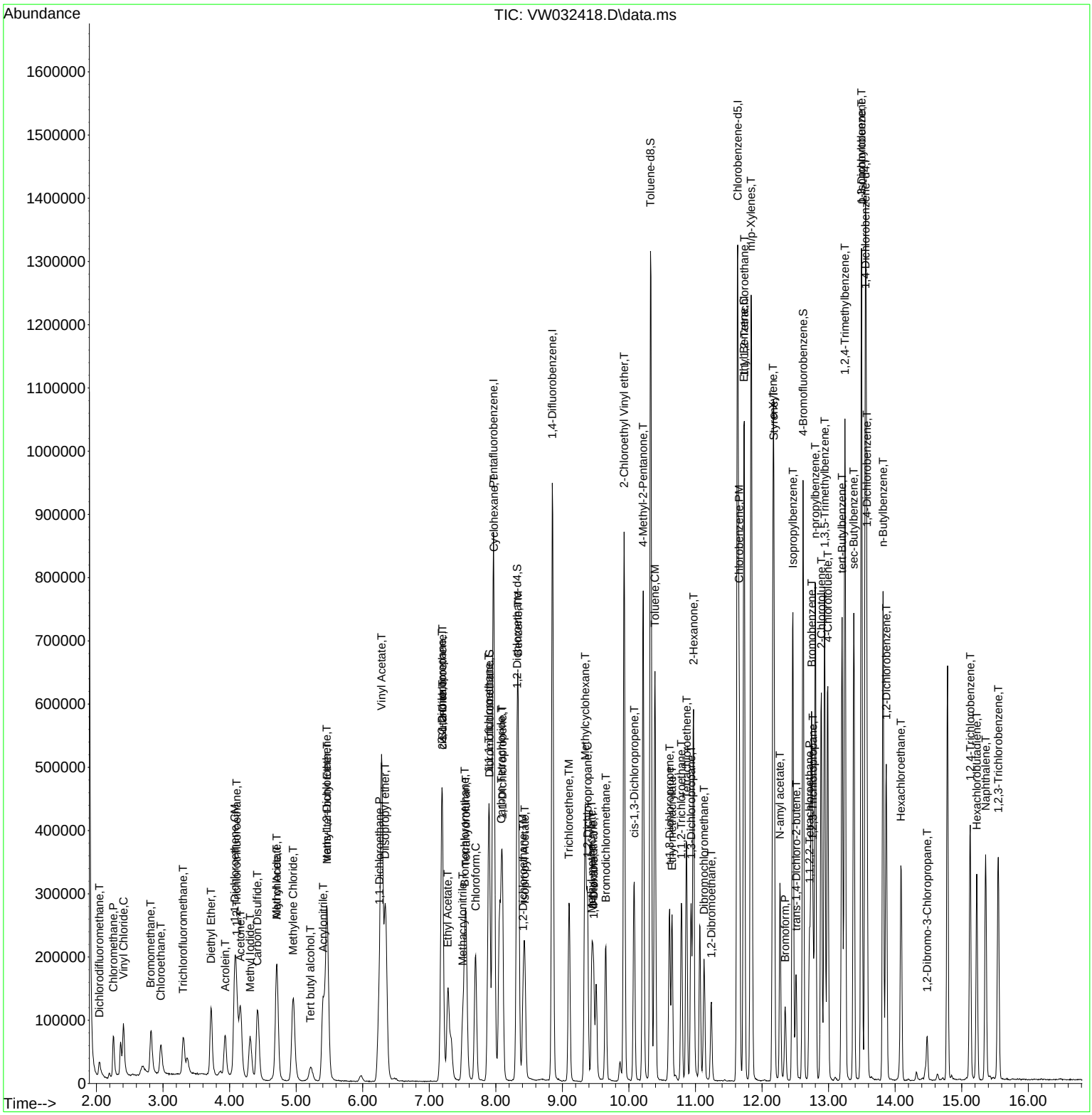
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW1111SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VW111025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032406.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC005	VW032406.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:31 AM	sam	11/11/2025 12:29:21 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC010	VW032407.D	Dichlorodifluoromethane	Amit	11/11/2025 9:30:35 AM	sam	11/11/2025 12:29:25 PM	Peak Integrated by Software
VSTDICC020	VW032408.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:39 AM	sam	11/11/2025 12:30:15 PM	Peak Integrated by Software
VSTDICCC050	VW032409.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:43 AM	sam	11/11/2025 12:29:38 PM	Peak Integrated by Software
VSTDICC100	VW032410.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:48 AM	sam	11/11/2025 12:30:21 PM	Peak Integrated by Software
VSTDICC150	VW032411.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:52 AM	sam	11/11/2025 12:29:30 PM	Peak Integrated by Software
VSTDICV050	VW032413.D	1,2,3-Trichloropropane	Amit	11/11/2025 9:30:57 AM	sam	11/11/2025 12:29:34 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VW111125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032415.D	1,2,3-Trichloropropane	Amit	11/12/2025 3:51:57 PM	MMDadoda	11/12/2025 3:52:24 PM	Peak Integrated by Software
VW1111SBS01	VW032417.D	1,2,3-Trichloropropane	Amit	11/12/2025 3:52:00 PM	MMDadoda	11/12/2025 3:52:27 PM	Peak Integrated by Software
VW1111SBS01	VW032417.D	Tert butyl alcohol	Amit	11/12/2025 3:52:00 PM	MMDadoda	11/12/2025 3:52:27 PM	Peak Integrated by Software
VW1111SBSD01	VW032418.D	1,2,3-Trichloropropane	Amit	11/12/2025 3:52:04 PM	MMDadoda	11/12/2025 3:52:32 PM	Peak Integrated by Software
Q3586-01	VW032427.D	Tert butyl alcohol	Amit	11/12/2025 3:52:19 PM	MMDadoda	11/12/2025 3:53:27 PM	Peak Integrated by Software
VSTDCCC050	VW032435.D	1,2,3-Trichloropropane	Amit	11/12/2025 3:52:30 PM	MMDadoda	11/12/2025 3:53:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY110425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023661.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:41 PM	MMDadoda	11/5/2025 2:42:20 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC010	VY023662.D	Methacrylonitrile	Amit	11/5/2025 2:39:45 PM	MMDadoda	11/5/2025 2:42:23 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICC020	VY023663.D	Methacrylonitrile	Amit	11/5/2025 2:39:50 PM	MMDadoda	11/5/2025 2:42:26 PM	Peak Integrated by Software
VSTDICCC050	VY023664.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:54 PM	MMDadoda	11/5/2025 2:42:29 PM	Peak Integrated by Software
VSTDICC100	VY023665.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:22 PM	MMDadoda	11/5/2025 2:42:32 PM	Peak Integrated by Software
VSTDICC150	VY023666.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:39:59 PM	MMDadoda	11/5/2025 2:42:36 PM	Peak Integrated by Software
VSTDICV050	VY023668.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:40:02 PM	MMDadoda	11/5/2025 2:42:40 PM	Peak Integrated by Software
VSTDCCC050	VY023677.D	1,2,3-Trichloropropane	Amit	11/5/2025 2:41:12 PM	MMDadoda	11/5/2025 2:42:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY111225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023752.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:57:17 AM	MMDadoda	11/14/2025 10:52:53 AM	Peak Integrated by Software
VSTDCCC050	VY023752.D	Methacrylonitrile	Amit	11/14/2025 9:57:17 AM	MMDadoda	11/14/2025 10:52:53 AM	Peak Integrated by Software
VY1112SBS01	VY023754.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:57:20 AM	MMDadoda	11/14/2025 10:52:56 AM	Peak Integrated by Software
Q3586-01RE	VY023759.D	Acetone	Amit	11/14/2025 9:57:26 AM	MMDadoda	11/14/2025 10:53:03 AM	Peak Integrated by Software
VSTDCCC050	VY023772.D	1,2,3-Trichloropropane	Amit	11/14/2025 9:57:30 AM	MMDadoda	11/14/2025 10:53:06 AM	Peak Integrated by Software
VSTDCCC050	VY023772.D	Methacrylonitrile	Amit	11/14/2025 9:57:30 AM	MMDadoda	11/14/2025 10:53:06 AM	Peak Integrated by Software

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032405.D	10 Nov 2025 14:20	SY/MD	Ok
2	VSTDICC005	VW032406.D	10 Nov 2025 15:11	SY/MD	Ok,M
3	VSTDICC010	VW032407.D	10 Nov 2025 15:33	SY/MD	Ok,M
4	VSTDICC020	VW032408.D	10 Nov 2025 15:55	SY/MD	Ok,M
5	VSTDICCC050	VW032409.D	10 Nov 2025 16:17	SY/MD	Ok,M
6	VSTDICC100	VW032410.D	10 Nov 2025 16:39	SY/MD	Ok,M
7	VSTDICC150	VW032411.D	10 Nov 2025 17:00	SY/MD	Ok,M
8	VIBLK	VW032412.D	10 Nov 2025 17:22	SY/MD	Ok
9	VSTDICV050	VW032413.D	10 Nov 2025 17:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

Review By	Amit Patel	Review On	11/13/2025 1:51:53 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 1:52:16 PM				
SubDirectory	VW111125	HP Acquire Method	MSVOA_W		HP Processing Method	82w111025s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136131
Initial Calibration Stds	
CCC	VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032414.D	11 Nov 2025 07:26	SY/MD	Ok
2	VSTDCCC050	VW032415.D	11 Nov 2025 08:31	SY/MD	Ok,M
3	VW1111SBL01	VW032416.D	11 Nov 2025 09:34	SY/MD	Ok
4	VW1111SBS01	VW032417.D	11 Nov 2025 10:00	SY/MD	Ok,M
5	VW1111SBSD01	VW032418.D	11 Nov 2025 10:21	SY/MD	Ok,M
6	Q3483-23	VW032419.D	11 Nov 2025 11:01	SY/MD	Not Ok
7	VIBLK	VW032420.D	11 Nov 2025 11:22	SY/MD	Ok
8	Q3483-23DL	VW032421.D	11 Nov 2025 11:44	SY/MD	Not Ok
9	Q3530-01	VW032422.D	11 Nov 2025 12:06	SY/MD	Ok,M
10	Q3530-01	VW032423.D	11 Nov 2025 12:28	SY/MD	Ok,M
11	Q3530-02	VW032424.D	11 Nov 2025 12:49	SY/MD	Ok,M
12	Q3583-04	VW032425.D	11 Nov 2025 13:11	SY/MD	Ok
13	Q3582-04	VW032426.D	11 Nov 2025 13:32	SY/MD	ReRun
14	Q3586-01	VW032427.D	11 Nov 2025 13:54	SY/MD	ReRun
15	Q3586-02	VW032428.D	11 Nov 2025 14:15	SY/MD	ReRun
16	Q3586-03	VW032429.D	11 Nov 2025 14:37	SY/MD	ReRun
17	Q3590-02	VW032430.D	11 Nov 2025 14:59	SY/MD	Dilution
18	Q3599-01	VW032431.D	11 Nov 2025 15:21	SY/MD	ReRun
19	Q3600-01	VW032432.D	11 Nov 2025 15:43	SY/MD	ReRun
20	Q3598-01	VW032433.D	11 Nov 2025 16:05	SY/MD	ReRun
21	VIBLK	VW032434.D	11 Nov 2025 16:27	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

Review By	Amit Patel	Review On	11/13/2025 1:51:53 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 1:52:16 PM				
SubDirectory	VW111125	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136131
Initial Calibration Stds	
CCC	VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VW032435.D	11 Nov 2025 16:49	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM				
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y		HP Processing Method	82y110425s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136031
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136038
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023660.D	04 Nov 2025 08:11	SY/MD	Ok
2	VSTDICC005	VY023661.D	04 Nov 2025 09:19	SY/MD	Ok,M
3	VSTDICC010	VY023662.D	04 Nov 2025 09:42	SY/MD	Ok,M
4	VSTDICC020	VY023663.D	04 Nov 2025 10:19	SY/MD	Ok,M
5	VSTDICCC050	VY023664.D	04 Nov 2025 10:42	SY/MD	Ok,M
6	VSTDICC100	VY023665.D	04 Nov 2025 11:05	SY/MD	Ok,M
7	VSTDICC150	VY023666.D	04 Nov 2025 11:27	SY/MD	Ok,M
8	VIBLK	VY023667.D	04 Nov 2025 11:51	SY/MD	Ok
9	VSTDICV050	VY023668.D	04 Nov 2025 12:14	SY/MD	Ok,M
10	VY1104SBL01	VY023669.D	04 Nov 2025 12:37	SY/MD	Ok
11	VY1104SBS01	VY023670.D	04 Nov 2025 13:14	SY/MD	Ok,M
12	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37	SY/MD	Ok,M
13	Q3530-01	VY023672.D	04 Nov 2025 14:08	SY/MD	Ok,M
14	Q3530-01	VY023673.D	04 Nov 2025 14:31	SY/MD	Ok,M
15	Q3530-02	VY023674.D	04 Nov 2025 14:53	SY/MD	Ok,M
16	Q3532-03	VY023675.D	04 Nov 2025 15:16	SY/MD	Ok
17	Q3532-07	VY023676.D	04 Nov 2025 15:40	SY/MD	Ok
18	VSTDCCC050	VY023677.D	04 Nov 2025 16:26	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

Review By	Amit Patel	Review On	11/14/2025 12:33:40 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 9:25:17 AM				
SubDirectory	VY111225	HP Acquire Method	MSVOA_Y		HP Processing Method	82y110425s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136179
Initial Calibration Stds	
CCC	VP136182,VP136183
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023751.D	12 Nov 2025 09:23	SY/MD	Ok
2	VSTDCCC050	VY023752.D	12 Nov 2025 10:01	SY/MD	Ok,M
3	VY1112SBL01	VY023753.D	12 Nov 2025 10:37	SY/MD	Ok
4	VY1112SBS01	VY023754.D	12 Nov 2025 11:04	SY/MD	Ok,M
5	VY1112SBSD01	VY023755.D	12 Nov 2025 11:27	SY/MD	Ok,M
6	Q3599-01	VY023756.D	12 Nov 2025 12:04	SY/MD	Ok,M
7	Q3598-01	VY023757.D	12 Nov 2025 12:27	SY/MD	Ok
8	Q3582-04RE	VY023758.D	12 Nov 2025 12:51	SY/MD	Confirms
9	Q3586-01RE	VY023759.D	12 Nov 2025 13:14	SY/MD	Confirms
10	Q3586-02RE	VY023760.D	12 Nov 2025 13:38	SY/MD	Confirms
11	Q3586-03	VY023761.D	12 Nov 2025 14:01	SY/MD	Ok
12	Q3600-01	VY023762.D	12 Nov 2025 14:24	SY/MD	Ok
13	Q3609-02	VY023763.D	12 Nov 2025 14:57	SY/MD	Ok
14	Q3609-05	VY023764.D	12 Nov 2025 15:21	SY/MD	Ok
15	Q3609-08	VY023765.D	12 Nov 2025 15:44	SY/MD	Ok
16	Q3609-11	VY023766.D	12 Nov 2025 16:08	SY/MD	Ok
17	Q3609-14	VY023767.D	12 Nov 2025 16:31	SY/MD	Ok
18	Q3614-01	VY023768.D	12 Nov 2025 16:55	SY/MD	Ok
19	Q3614-02	VY023769.D	12 Nov 2025 17:18	SY/MD	Ok
20	Q3614-03	VY023770.D	12 Nov 2025 17:42	SY/MD	Ok
21	VIBLK	VY023771.D	12 Nov 2025 18:05	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

Review By	Amit Patel	Review On	11/14/2025 12:33:40 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 9:25:17 AM				
SubDirectory	VY111225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP136179
Initial Calibration Stds	
CCC	VP136182,VP136183
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY023772.D	12 Nov 2025 18:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

Review By	Amit Patel	Review On	11/11/2025 7:21:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 1:37:22 PM		
SubDirectory	VW111025	HP Acquire Method	VP134934	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136122
Initial Calibration Stds	VP136123,VP136124,VP136125,VP136126,VP136127,VP136128
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136129
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032405.D	10 Nov 2025 14:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032406.D	10 Nov 2025 15:11		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032407.D	10 Nov 2025 15:33		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032408.D	10 Nov 2025 15:55		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032409.D	10 Nov 2025 16:17		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032410.D	10 Nov 2025 16:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032411.D	10 Nov 2025 17:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032412.D	10 Nov 2025 17:22		SY/MD	Ok
9	VSTDICV050	ICVVW111025	VW032413.D	10 Nov 2025 17:44		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

Review By	Amit Patel	Review On	11/13/2025 1:51:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 1:52:16 PM		
SubDirectory	VW111125	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136131
Initial Calibration Stds	
CCC	VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032414.D	11 Nov 2025 07:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032415.D	11 Nov 2025 08:31		SY/MD	Ok,M
3	VW1111SBL01	VW1111SBL01	VW032416.D	11 Nov 2025 09:34		SY/MD	Ok
4	VW1111SBS01	VW1111SBS01	VW032417.D	11 Nov 2025 10:00		SY/MD	Ok,M
5	VW1111SBSD01	VW1111SBSD01	VW032418.D	11 Nov 2025 10:21		SY/MD	Ok,M
6	Q3483-23	HW1025-PT-VOA-SOIL	VW032419.D	11 Nov 2025 11:01	Need 4X;Already analyzed	SY/MD	Not Ok
7	VIBLK	VIBLK	VW032420.D	11 Nov 2025 11:22		SY/MD	Ok
8	Q3483-23DL	HW1025-PT-VOA-SOIL	VW032421.D	11 Nov 2025 11:44	Already analyzed	SY/MD	Not Ok
9	Q3530-01	LOD-MDL-SOIL-01-QT	VW032422.D	11 Nov 2025 12:06		SY/MD	Ok,M
10	Q3530-01	LOD-MDL-SOIL-01-QT	VW032423.D	11 Nov 2025 12:28		SY/MD	Ok,M
11	Q3530-02	LOQ-SOIL-02-QT4-202	VW032424.D	11 Nov 2025 12:49		SY/MD	Ok,M
12	Q3583-04	CHRT27080	VW032425.D	11 Nov 2025 13:11	vial-A	SY/MD	Ok
13	Q3582-04	RT4912	VW032426.D	11 Nov 2025 13:32	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q3586-01	SED-1	VW032427.D	11 Nov 2025 13:54	vial-A Surrogate Fail	SY/MD	ReRun
15	Q3586-02	SED-2	VW032428.D	11 Nov 2025 14:15	vial-A Surrogate Fail	SY/MD	ReRun
16	Q3586-03	SED-3	VW032429.D	11 Nov 2025 14:37	vial-A Surrogate Fail	SY/MD	ReRun
17	Q3590-02	MOO-25-0314-0316-CC	VW032430.D	11 Nov 2025 14:59	vial-A Internal Standard Fail;Need MeOH	SY/MD	Dilution

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

Review By	Amit Patel	Review On	11/13/2025 1:51:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 1:52:16 PM		
SubDirectory	VW111125	HP Acquire Method	MSVOA_W	HP Processing Method	82w111025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136131
Initial Calibration Stds	
CCC	VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3599-01	LIVINGSTON-SOIL	VW032431.D	11 Nov 2025 15:21	vial-A Surrogate Fail	SY/MD	ReRun
19	Q3600-01	CENTRAL-ROW-CONC	VW032432.D	11 Nov 2025 15:43	vial-A Surrogate Fail	SY/MD	ReRun
20	Q3598-01	EO-CONCRETE	VW032433.D	11 Nov 2025 16:05	vial-A Surrogate Fail	SY/MD	ReRun
21	VIBLK	VIBLK	VW032434.D	11 Nov 2025 16:27		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VW032435.D	11 Nov 2025 16:49		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136031
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136038
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023660.D	04 Nov 2025 08:11		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023661.D	04 Nov 2025 09:19		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023662.D	04 Nov 2025 09:42		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023663.D	04 Nov 2025 10:19		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023664.D	04 Nov 2025 10:42	Comp. #95 on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023665.D	04 Nov 2025 11:05		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023666.D	04 Nov 2025 11:27		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023667.D	04 Nov 2025 11:51		SY/MD	Ok
9	VSTDICV050	ICVVY110425	VY023668.D	04 Nov 2025 12:14		SY/MD	Ok,M
10	VY1104SBL01	VY1104SBL01	VY023669.D	04 Nov 2025 12:37		SY/MD	Ok
11	VY1104SBS01	VY1104SBS01	VY023670.D	04 Nov 2025 13:14		SY/MD	Ok,M
12	VY1104SBSD01	VY1104SBSD01	VY023671.D	04 Nov 2025 13:37		SY/MD	Ok,M
13	Q3530-01	LOD-MDL-SOIL-01-QT	VY023672.D	04 Nov 2025 14:08		SY/MD	Ok,M
14	Q3530-01	LOD-MDL-SOIL-01-QT	VY023673.D	04 Nov 2025 14:31		SY/MD	Ok,M
15	Q3530-02	LOQ-SOIL-02-QT4-202	VY023674.D	04 Nov 2025 14:53		SY/MD	Ok,M
16	Q3532-03	TP-1-VOC	VY023675.D	04 Nov 2025 15:16	vial-A	SY/MD	Ok
17	Q3532-07	TP-2-VOC	VY023676.D	04 Nov 2025 15:40	vial-A	SY/MD	Ok
18	VSTDCCC050	VSTDCCC050EC	VY023677.D	04 Nov 2025 16:26		SY/MD	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

Review By	Amit Patel	Review On	11/5/2025 2:42:53 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 8:39:21 AM		
SubDirectory	VY110425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136031
Initial Calibration Stds	VP136032,VP136033,VP136034,VP136035,VP136036,VP136037
CCC	VP136050,LOD VP136051,VP136052,LOQ VP136053
Internal Standard/PEM	VP133934
ICV/I.BLK	VP136038
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

Review By	Amit Patel	Review On	11/14/2025 12:33:40 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 9:25:17 AM		
SubDirectory	VY111225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136179
Initial Calibration Stds	
CCC	VP136182,VP136183
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023751.D	12 Nov 2025 09:23		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023752.D	12 Nov 2025 10:01		SY/MD	Ok,M
3	VY1112SBL01	VY1112SBL01	VY023753.D	12 Nov 2025 10:37		SY/MD	Ok
4	VY1112SBS01	VY1112SBS01	VY023754.D	12 Nov 2025 11:04		SY/MD	Ok,M
5	VY1112SBSD01	VY1112SBSD01	VY023755.D	12 Nov 2025 11:27		SY/MD	Ok,M
6	Q3599-01	LIVINGSTON-SOIL	VY023756.D	12 Nov 2025 12:04	vial-B	SY/MD	Ok,M
7	Q3598-01	EO-CONCRETE	VY023757.D	12 Nov 2025 12:27	vial-B	SY/MD	Ok
8	Q3582-04RE	RT4912RE	VY023758.D	12 Nov 2025 12:51	vial-B Surrogate Fail;Internal Standard Fail	SY/MD	Confirms
9	Q3586-01RE	SED-1RE	VY023759.D	12 Nov 2025 13:14	vial-B Internal Standard Fail	SY/MD	Confirms
10	Q3586-02RE	SED-2RE	VY023760.D	12 Nov 2025 13:38	vial-B Surrogate Fail;Internal Standard Fail	SY/MD	Confirms
11	Q3586-03	SED-3	VY023761.D	12 Nov 2025 14:01	vial-B	SY/MD	Ok
12	Q3600-01	CENTRAL-ROW-CONC	VY023762.D	12 Nov 2025 14:24	vial-B	SY/MD	Ok
13	Q3609-02	AU-713-VOC-01	VY023763.D	12 Nov 2025 14:57	vial-A	SY/MD	Ok
14	Q3609-05	AU-713-VOC-02	VY023764.D	12 Nov 2025 15:21	vial-A	SY/MD	Ok
15	Q3609-08	AU-713-VOC-03	VY023765.D	12 Nov 2025 15:44	vial-A	SY/MD	Ok
16	Q3609-11	AU-713-VOC-04	VY023766.D	12 Nov 2025 16:08	vial-A	SY/MD	Ok
17	Q3609-14	AU-713-VOC-05	VY023767.D	12 Nov 2025 16:31	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

Review By	Amit Patel	Review On	11/14/2025 12:33:40 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/17/2025 9:25:17 AM		
SubDirectory	VY111225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y110425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP136179
Initial Calibration Stds	
CCC	VP136182,VP136183
Internal Standard/PEM	VP136146
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3614-01	COMP-1	VY023768.D	12 Nov 2025 16:55	vial-A	SY/MD	Ok
19	Q3614-02	COMP-2	VY023769.D	12 Nov 2025 17:18	vial-A	SY/MD	Ok
20	Q3614-03	COMP-3	VY023770.D	12 Nov 2025 17:42	vial-A	SY/MD	Ok
21	VIBLK	VIBLK	VY023771.D	12 Nov 2025 18:05		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY023772.D	12 Nov 2025 18:28		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3586	**OrderDate:**	11/7/2025 3:20:00 PM
Client:	Remington & Vernick Engineers	**Project:**	Edison Landfill
Contact:	Kyle Carlson	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3586-01	**SED-1**	**SOIL**			**11/06/25**			**11/07/25**
			VOC-TCLVOA-10	8260D			11/11/25	
Q3586-01RE	**SED-1RE**	**SOIL**			**11/06/25**			**11/07/25**
			VOC-TCLVOA-10	8260D			11/12/25	
Q3586-02	**SED-2**	**SOIL**			**11/06/25**			**11/07/25**
			VOC-TCLVOA-10	8260D			11/11/25	
Q3586-02RE	**SED-2RE**	**SOIL**			**11/06/25**			**11/07/25**
			VOC-TCLVOA-10	8260D			11/12/25	
Q3586-03	**SED-3**	**SOIL**			**11/06/25**			**11/07/25**
			VOC-TCLVOA-10	8260D			11/12/25	